# Service Guide Specification

| 담 당 | 관 리 자 |
|---|---|
| PARK H. J 03.11.20 | KIM J. O 03.11.20 |

## 1. Model Description

| | | | | | |
|---|---|---|---|---|---|
| MODEL | L2323AL | BRAND | LG | Part No. | 3828TSL096C |
| SUFFIX | ALUKT | Product Name | FLATRON L2323T | | |

## 2. Printing Specification

1. Trim Size (Format) : 215mm x 280mm

2. Printing Colors
• Cover : LG COLOR
• Inside : Black

3. Stock (Paper)
• Cover : Snow white paper 150 g/㎡
• Inside : Snow white paper 100 g/㎡

4. Printing Method :
5. Bindery : Saddle stitch
6. Language : English
7. Number of pages : 69

## 3. Special Instructions

## 4. Changes

| REV. NO. | MM/DD/YY | SIGNATURE | CHANGE NO. | CHANGE CONTENTS |
|---|---|---|---|---|
| 8 | | | | |
| 7 | | | | |
| 6 | | | | |
| 5 | | | | |
| 4 | | | | |
| 3 | | | | |
| 2 | | | | |
| 1 | | | | |

http://www.wjel.net

Website:http://biz.LGservice.com
E-mail:http://www.LGEservice.com/techsup.html

# COLOR MONITOR
# SERVICE MANUAL

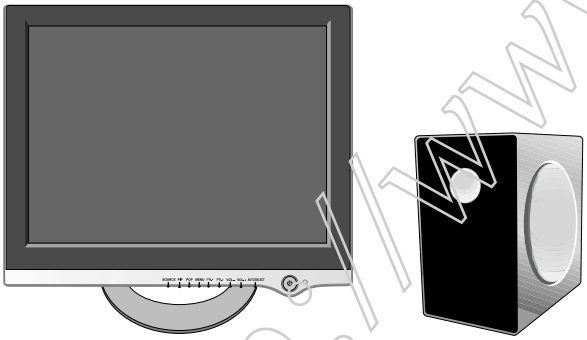
**CHASSIS NO. : CL-46**

## MODEL: FLATRON L2323T (L2323AL-AL**T)

**(  ) **Same model for SVC**

**CAUTION**

BEFORE SERVICING THE UNIT,
READ THE **SAFETY PRECAUTIONS** IN THIS MANUAL.



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# SPECIFICATIONS

**1. LCD CHARACTERISTICS**

| | |
|---|---|
| Type | : TFT Color LCD Module |
| Active Display Area | : 23inchs diagonal |
| Pixel Pitch | : 0.13(H) x 0.39(V) |
| Electrical Interface | : LVDS |
| Color Depth | : 8-bit, 16,777,216 colors |
| Size | : 528.0(W)x326(H)x34.5(D) |
| Surface Treatment | : Anti-Glare, Hard Coating(3H) |
| Operating Mode | : Normally Black |
| Backlight Unit | : 12-CCFL (Cold Cathode Fluorescent Lamp) |

**2. OPTICAL CHARACTERISTICS**

2-1. Viewing Angle by Contrast Ratio $\geq 10$

Left : -88°(Typ) Right : +88°(Typ)
Top : +88°(Typ) Bottom : -88°(Typ)

2-2. Luminance : 450 cd/m$^2$ (Typ)

2-3. Contrast Ratio : 400:1(Typ.)

**3. SIGNAL (Refer to the Timing Chart)**

3-1. Video Input

1)Signal Input : 15pin D-sub Connector/
DVI-D Connector, DVD(SCART Jack)
Composite video, S-video, HDTV(Component)

2)Input Form : RGB Analog(0.7Vp-p/75 Ω), Digital,
S-VIDEO, CVBS, YPbPr(Y, Cb, Cr)

3-2. Sync Input

Horizontal : 30 ~ 66kHz
Vertical : 56 ~ 75Hz
Input Form : Separate TTL,
Positive/Negative Composite TTL,
Positive/Negative SOG(Sync On Green)
DIGITAL

**4. Max.Resolution**

Analog -1280 x 1024@60Hz
Digital(DVI-D) -1280 x 1024@60Hz

**5. POWER SUPPLY**

5-1. Power Adaptor

Display
Input : DC 24V 4A, DC5V 0.5A
Media station
Input : AC 100~240V, 50/60Hz , 1.5A
Output : DC 24V 4A, DC 5V 0.5A

5-2. Power Consumption

| MODE | H/V SYNC | VIDEO | POWER CONSUMPTION | LED COLOR | |
|---|---|---|---|---|---|
| POWER ON (NORMAL) | ON/ON | ACTIVE | less than 110 W | BLUE | BLUE |
| STAND-BY | OFF/ON | OFF | less than 5 W | AMBER | DARK BLUE |
| SUSPEND | ON/OFF | OFF | less than 5 W | AMBER | DARK BLUE |
| DPM OFF | OFF/OFF | OFF | less than 3 W | AMBER | DARK BLUE |
| POWER OFF | - | - | less than 3 W | OFF | DARK BLUE |
| POWER CUT OFF S/W OFF | - | - | less than 1 W | OFF | OFF |

**6. ENVIRONMENT**

6-1. Operating Temperature: 10°C~35°C (50°F~95°F)
(Ambient)
6-2. Relative Humidity : 10%~80%
(Non-condensing)
6-3. MTBF : 50,000 Hours(Typ.)

**7. DIMENSIONS**

**Display(with TILT/SWIVEL)**

| | |
|---|---|
| Width | : 587.5 mm (23.13'') |
| Depth | : 260 mm (10.24') |
| Height | : 446.5 mm (17.58'') |

**Media Station**

| | |
|---|---|
| Width | : 129.6 mm (5.10'') |
| Depth | : 191.6 mm (7.57') |
| Height | : 20.57 mm (8.09'') |

**8. WEIGHT**

Display(with Tilt/Swivel) : 7.70kg (16.98 lbs)
Media station : 2.7kg (5.95 lbs)

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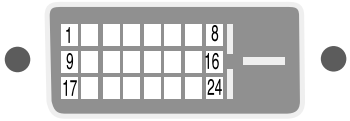
## Signal Connector Pin Assignment

**• DVI-D Connector**




| Pin | Signal (DVI-D) | Pin | Signal (DVI-D) |
|---|---|---|---|
| 1 | T. M. D. S. Data2- | 16 | Hot Plug Detect |
| 2 | T. M. D. S. Data2+ | 17 | T. M. D. S. Data0- |
| 3 | T. M. D. S. Data2/4 Shield | 18 | T. M. D. S. Data0+ |
| 4 | T. M. D. S. Data4- | 19 | T. M. D. S. Data0/5 Shield |
| 5 | T. M. D. S. Data4+ | 20 | T. M. D. S. Data5- |
| 6 | DDC Clock | 21 | T. M. D. S. Data5+ |
| 7 | DDC Data | 22 | T. M. D. S. Clock Shield |
| 8 | Analog Vertical Sync. | 23 | T. M. D. S. Clock+ |
| 9 | T. M. D. S. Data1- | 24 | T. M. D. S. Clock- |
| 10 | T. M. D. S. Data1+ | | |
| 11 | T. M. D. S. Data1/3 Shield | | |
| 12 | T. M. D. S. Data3- | | |
| 13 | T. M. D. S. Data3+ | | |
| 14 | +5V Power | | |
| 15 | Ground (return for +5V, H. Sync. and V. Sync.) | | |

T. M. D. S. (Transition Minimized Differential Signaling)

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# PRECAUTION

**WARNING FOR THE SAFETY-RELATED COMPONENT.**

- There are some special components used in LCD monitor that are important for safety. ***These parts are marked ⚠on the schematic diagram and the replacement parts list.*** It is essential that these critical parts should be replaced with the manufacturer's specified parts to prevent electric shock, fire or other hazard.
- Do not modify original design without obtaining written permission from manufacturer or you will void the original parts and labor guarantee.

**TAKE CARE DURING HANDLING THE LCD MODULE WITH BACKLIGHT UNIT.**

- Must mount the module using mounting holes arranged in four corners.
- Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
- Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
- Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
- Make certain that treatment person's body are grounded through wrist band.
- Do not leave the module in high temperature and in areas of high humidity for a long time.
- The module not be exposed to the direct sunlight.
- Avoid contact with water as it may a short circuit within the module.
- If the surface of panel become dirty, please wipe it off with a softmaterial. (Cleaning with a dirty or rough cloth may damage the panel.)

**⚠ CAUTION**

Please use only a plastic screwdriver to protect yourself from shock hazard during service operation.

**⚠ WARNING**

BE CAREFUL ELECTRIC SHOCK !

- If you want to replace with the new backlight (CCFL) or inverter circuit, must disconnect the AC adapter because high voltage appears at inverter circuit about 650Vrms.
- Handle with care wires or connectors of the inverter circuit. If the wires are pressed cause short and may burn or take fire.

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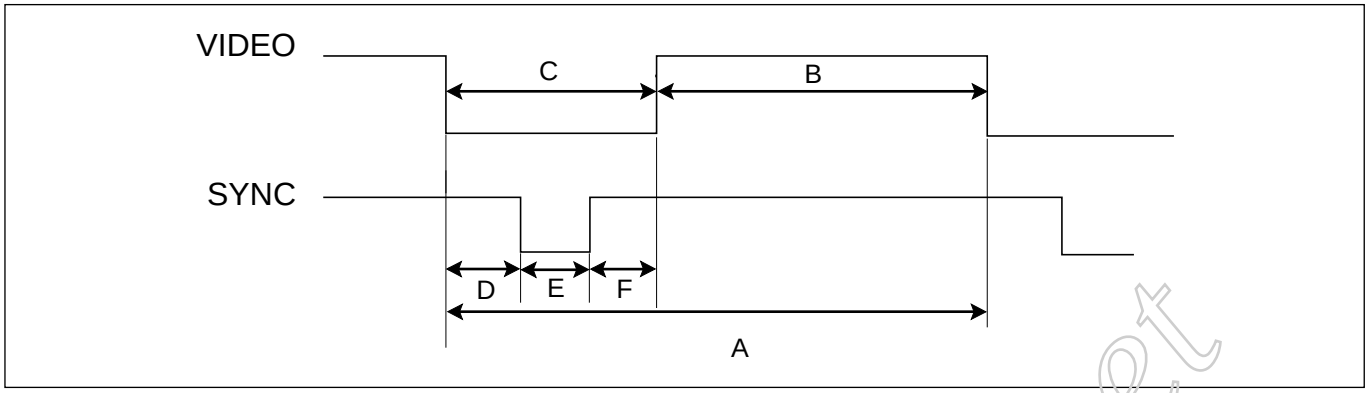
# TIMING CHART




**<<** Dot Clock **(MHz),** Horizontal Frequency **(kHz)**, Vertical Frequency **(Hz)**, Horizontal etc... **(μs)**, Vertical etc... **(ms) >>**

| Mode | H/V Sort | Sync Polarity | Dot Clock | Frequency | Total Period (A) | Video Active Time (B) | Front Porch (F) | Sync Duration (E) | Back Porch (D) | Resolution |
|---|---|---|---|---|---|---|---|---|---|---|
| **1** | H | + | 25.175 | 31.47 | 800 | 640 | 16 | 96 | 48 | **640x350** |
| | V | – | | 70.09 | 449 | 350 | 38 | 2 | 60 | **70Hz** |
| **2** | H | – | 25.175 | 31.47 | 800 | 640 | 16 | 96 | 48 | **640x480** |
| | V | – | | 59.94 | 525 | 480 | 10 | 2 | 33 | **60Hz** |
| **3** | H | – | 31.5 | 37.5 | 840 | 640 | 16 | 64 | 120 | **640x480** |
| | V | – | | 75 | 500 | 480 | 1 | 3 | 16 | **75Hz** |
| **4** | H | – | 28.324 | 31.47 | 900 | 720 | 18 | 108 | 54 | **720x400** |
| | V | + | | 70.08 | 449 | 400 | 13 | 2 | 34 | **70Hz** |
| **5** | H | + | 40.0 | 37.879 | 1056 | 800 | 40 | 128 | 88 | **800x600** |
| | V | + | | 60.317 | 628 | 600 | 1 | 4 | 23 | **60Hz** |
| **6** | H | + | 49.5 | 46.875 | 1056 | 800 | 16 | 80 | 160 | **800x600** |
| | V | + | | 75.0 | 625 | 600 | 1 | 3 | 21 | **75Hz** |
| **7** | H | +/– | 57.283 | 49.725 | 1152 | 832 | 32 | 64 | 224 | **832x624** |
| | V | +/– | | 74.55 | 667 | 624 | 1 | 3 | 39 | **75Hz** |
| **8** | H | – | 65.0 | 48.363 | 1344 | 1024 | 24 | 136 | 160 | **1024x768** |
| | V | – | | 60.0 | 806 | 768 | 3 | 6 | 29 | **60Hz** |
| **9** | H | + | 78.75 | 60.123 | 1312 | 1024 | 16 | 96 | 176 | **1024x768** |
| | V | + | | 75.029 | 800 | 768 | 1 | 3 | 28 | **75Hz** |
| **10** | H | + | 79.50 | 47.78 | 1664 | 1280 | 64 | 128 | 192 | **1280x768** |
| | V | + | | 59.87 | 798 | 768 | 3 | 7 | 20 | **60Hz** |
| **11** | H | +/– | 108.0 | 63.98 | 1688 | 1280 | 48 | 112 | 248 | **1280x1024** |
| | V | +/– | | 60.02 | 1066 | 1024 | 1 | 3 | 38 | **60Hz** |

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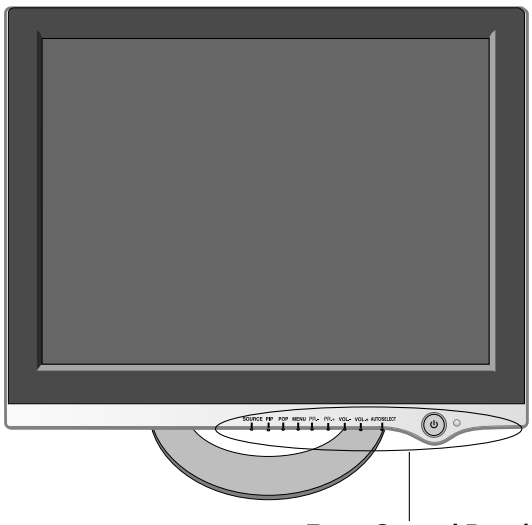
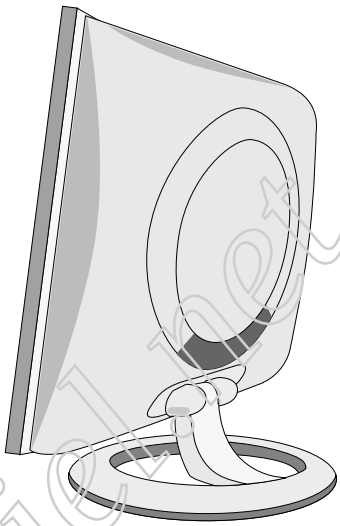
# OPERATING INSTRUCTIONS

## FRONT VIEW

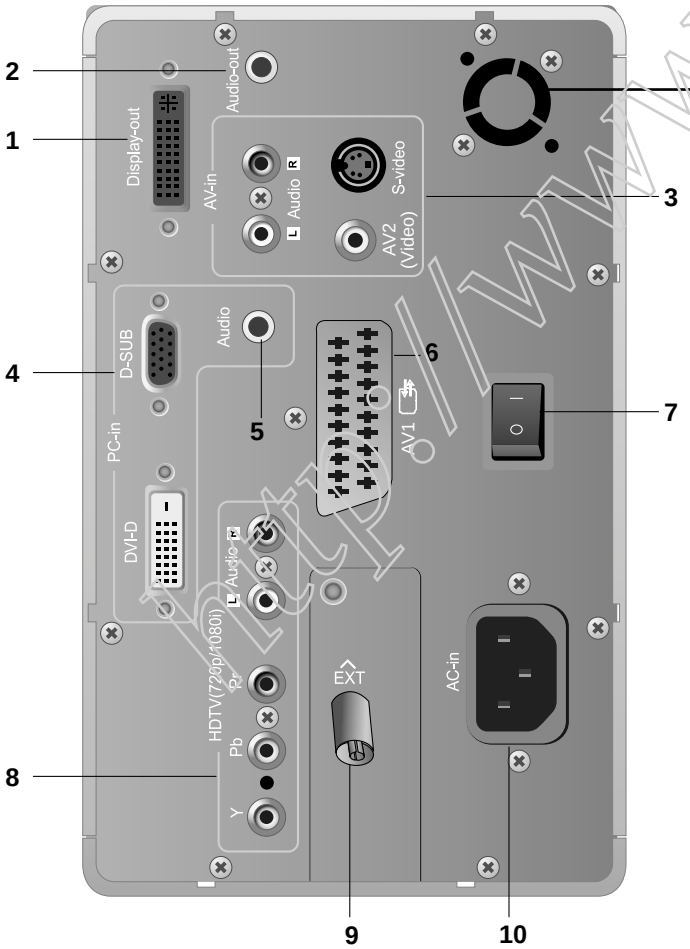


Front Control Panel

## SIDE VIEW



## MEDIA STATION REAR VIEW




**Fan: Should the temperature of the media station rise above a preset level, the fan will start up automatically to cool down the unit.**

**1. Connect the P&D cable**

**2. Connect to the speaker including a built-in amplifier(AMP)**

**3. AV Input ports**

**4. PC signal inputs**

**5. Connect the audio cable to the *LINE OUT jack of the PC sound card.**

**6.Connect the SCART cable**

**7. Power cut-off switch of the monitor**

Connect various cables and the power cord and turn on before using the monitor. Please turn the monitor off if you intend not to use it for an extended period of time to reduce power consumption.

**8. HDTV(YPbPr) Input ports - 576p/720p/1080i**

**9. Connect the antenna cable (not included)**

**10.Connect the power cord**

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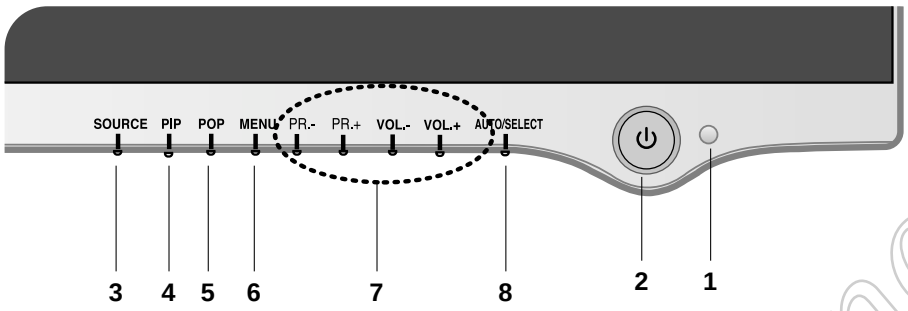
## Front Control Panel




**1. Remote Control Sensor**

**2. Power Button**

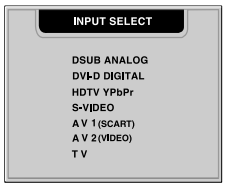
Use this button to turn the display on or off.

**<Power (DPMS) Indicator>**

This Indicator lights up blue when the display operates normally. If the display is in DPM (Energy Saving) mode, this indicator color changes to amber.

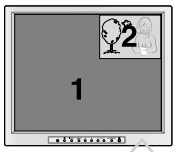
**3. Source Button**

Use this button to select an input signal




- DSUB ANALOG: 15-pin D-sub analog signal
- DVI-D DIGITAL: DVI-D digital signal
- HDTV YPbPr: HDTV
- S-VIDEO: S video
- AV1(SCART): SCART
- AV2(VIDEO): VIDEO
- TV:TV

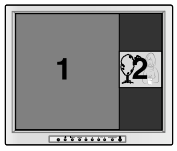
**4. PIP Button**




The sub-screen is changed in the order shown below.
: SMALL -> LARGE -> OFF

The positions of **SOURCE 1** and **SOURCE 2** can be transposed by selecting **SWAP** on the remote control.

**5. POP Button**



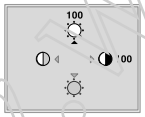

The sub-screen is changed in the order shown below.
: POP1 -> POP2 -> POP3 -> POP4 -> OFF

The positions of **SOURCE 1** and **SOURCE 2** can be transposed by selecting **SWAP** on the remote control.

**6. MENU Button**

Use this button to enter or exit On Screen Display.

**7. PR. -/PR.+, VOL. -+**




- Bring up Contrast and Brightness adjustment. It is available to the PC signal inputs only.

  **PR. - / PR. +** → **PR. - / PR. +** : To adjust the brightness
  **VOL. - / VOL. +** : To adjust the contrast

- Use these buttons to go up and down the channel when the TV source is available.
  **PR. - / PR. +**

**VOL. - / VOL. +**
Use these buttons to decrease or increase the volume level.

Use these buttons to choose or adjust items in the On Screen Display.

**8. AUTO Button**

When adjusting your display settings, always press the **AUTO/SELECT** button before entering the On Screen Display(OSD). This will automatically adjust your display image to the ideal settings for the current screen resolution size (display mode). It is available to the PC signal inputs only.

The best display mode is **1280x768 @60Hz**.

Use this to enter a selection in the On Screen Display.

**CONTROLS LOCKED/UNLOCKED : MENU and VOL.+**

This function allows you to secure the current control settings, so that they cannot be inadvertently changed.

Press and hold the **MENU** button and **VOL.+** button for 5 seconds: the message **"CONTROLS LOCKED"** appears.

You can unlock the OSD controls at any time by pushing the **MENU** button and **VOL.+** button for 5 seconds: the message **"CONTROLS UNLOCKED"** will appear.

http://www.vdl.net

## SVC OSD

**1) Turn off the power switch at the front side of the display.**

**2) Wait for about 5 seconds and press MENU, PR+ and VOL+ with in 1 second interval.**

**3) The SVC OSD menu contains additional menus that the User OSD menu as described below.**

a) ELAP. TIME CLEAR: Displays or clears the used time.
b) AUTO GAIN/OFFSET: Automatically sets the gain and offset value. (Pattern is used for D-Sub window pattern.)
c) AUSTRALIA TV: The default value is off. When watching the Australian TV, turn it on.
d) R/G/B-GAIN: Allows you to set the R/G/B gain value manually.
e) R/G/B-OFFSET: Allows you to set the R/G/B-OFFSET value manually.
f) FAN: The default value is set to Auto. If set to Auto, the fan runs according to the surrounding temperature. If set to On, the fan will run indefinitely as long as the power is on. (You can use this option to check fan operation status. Make sure to set to Auto after inspection.)
g) TXT LANG: Set the proper text language (0~16).
h) RESET: The default value is set to Off. You can change the setting only after setting on after SVC OSD menu change.

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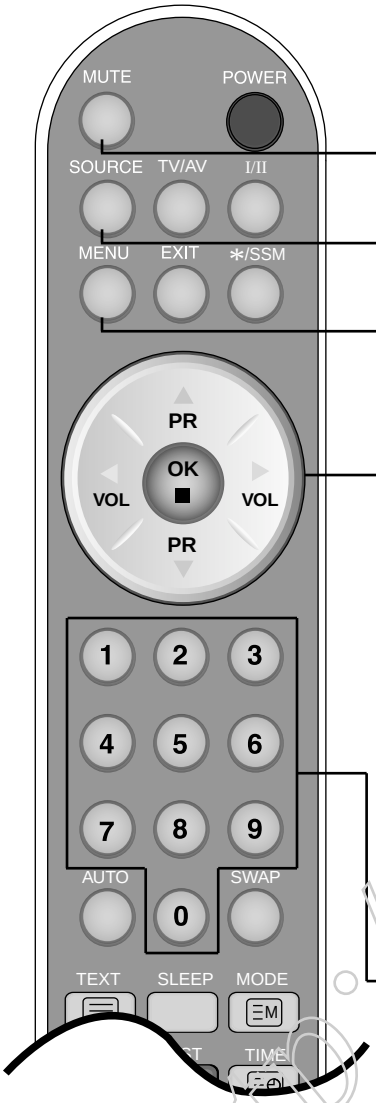
## Remote Control

**For detailed instructions of each button on the remote control, refer to the appropriate pages of this manual.**




**MUTE**
To select mute on or off.

**POWER**
Use this button to turn the display on or off.

**SOURCE**
Use this button to select an input signal.

**TV/AV :** TV/AV button

**I/II : Bilingual choice and sound mode selection**
Press this button

- to switch from **Stereo** to **Mono** sound in case of stereo transmission, or from **Nicam Stereo** to **Nicam Mono**, in case of digital transmission.
- to switch from **Nicam Dual I** to **Nicam Dual II** or **Nicam Dual I-II** in case of Nicam Dual transmission.
- to choose between **Dual I**, **Dual II** or **Dual I-II** in case of bilingual transmission :
  **Dual I** sends the primary broadcast language to the loudspeakers ;
  **Dual II** sends the secondary broadcast language to the loudspeakers ;
  **Dual I-II** sends a separate language to each loudspeakers.

- **NOTE :** In case of weak stereo sound signals, with stereo or Nicam stereo transmission, select mono reception.

**MENU**
Use this button to enter the On Screen Display menu.

**EXIT**
Use this button to exit the On Screen Display menu.

*** / SSM (Sound Status Memory)**
The audio will be automatically calibrated according to the type of the playback video.

- Flat: The most commanding and natural audio.
- Music: Select this option to listen to music.
- Movie: Select this option to watch a movie.
- Speech: Select this option to ~ .....
- User: Select this option to use the user-defined audio settings.

**PR ( ▼▲◄ ) Buttons**
**VOL (▼▲ ) Buttons**
**OK Button**

**Number buttons**

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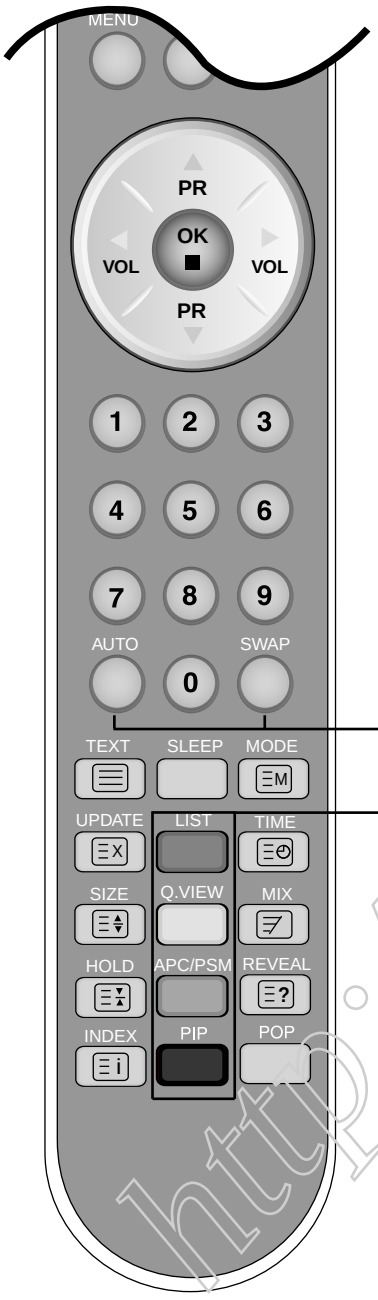
## Remote Control




**AUTO Button**

- This function is to automatically search the available channels. It is available to the TV signal inputs only.
- This function is to automatically adjust your display image to the ideal settings for the current screen resolution size (display mode). It is available to the PC analog signal input only.

**SWAP function**

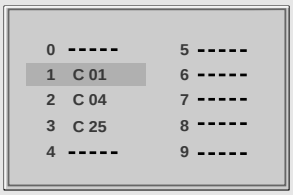
To switch the main-screen and sub-screen in PIP/POP mode.

**SLEEP : SLEEP Timer**

You can set a time period after which the HDTV/S-VIDEO/AV1/AV2 /TV should switch itself to standby. Press the key repeatedly to select the number of minutes.

**LIST : Programme list**

To display the programme list (0~ 99).




Note: TV channels displayed in blue have been setup to skipped in the PR. EDIT menu

**Q.VIEW : QUICK VIEW Button**

To display the previously selected TV channel.

**APC (Auto Picture Control)**

Use this button to select a screen color.
9300K <--> 6500K
The default color is 9300K. This function is not supported in PC mode.

- 9300K: Slightly bluish white.
- 6500K: Slightly reddish white.

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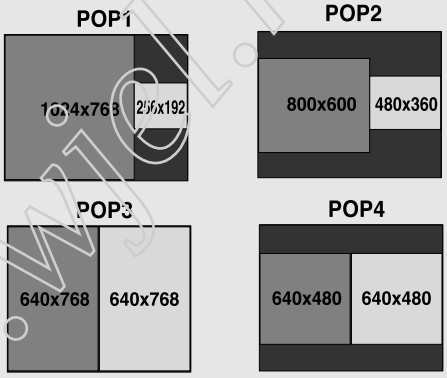
## Remote Control-PIP/POP Function

**PIP (Picture in Picture)**

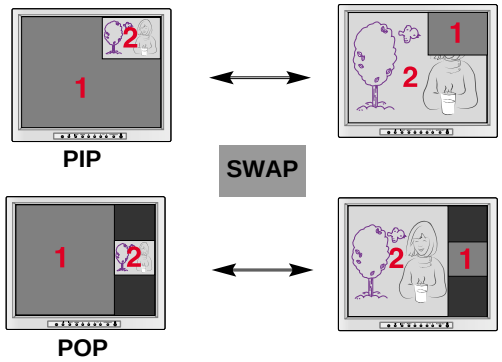
The sub-screen is changed in the order shown below.
: SMALL -> LARGE -> OFF

**POP (Picture out Picture)**

The sub-screen is changed in the order shown below.
: POP1 -> POP2 -> POP3 -> POP4 -> OFF




The POP4 menu will not be supported if the input signal is HDTV and/or above 720p.

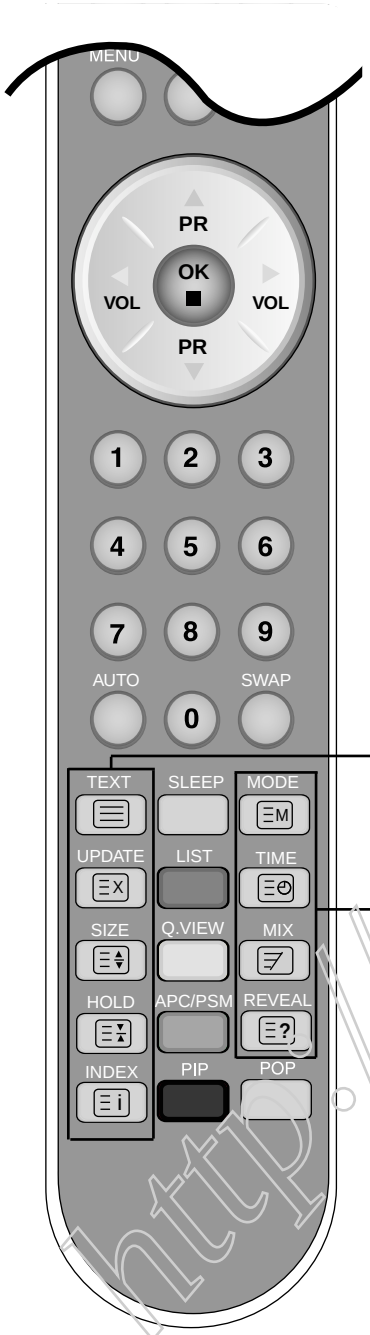



| SOURCE 2 / SOURCE 1 | D-SUB | DVI-D | AV | S-VIDEO | HDTV | TV |
|---|---|---|---|---|---|---|
| D-SUB | X | X | ● | ● | ● | ● |
| DVI-D | X | X | ● | ● | ● | ● |
| AV | ● | ● | X | X | ● | X |
| S-VIDEO | ● | ● | X | X | ● | X |
| HDTV | ● | ● | ● | ● | X | ● |
| TV | ● | ● | X | X | ● | X |

When the signal of **SOURCE 1** is supplied to the main-screen, the sub-screen receives the signal of **SOURCE 2** only. Conversely, when the signal of **SOURCE 2** is supplied to the main-screen, the sub-screen only receives the signal of **SOURCE 1.** The positions of **SOURCE 1** and **SOURCE 2** can be transposed by selecting **SWAP**.

http://www.wic.net

## Remote Control-TELETEXT Function




**TEXT**

To select the teletext on or off. The main index page or the last selected page appears on the screen together with an information headline and an option line at the bottom of the screen.

**UPDATE**

Press the button to appear the TV programme. At the top of screen indicates that you are still in the teletext mode. Before interrupting teletext, you may select a page number. When the page has been found, the information line appears briefly on your screen. Press the button again to reappear teletext.

**SIZE**

Press the button repeatedly to display the upper part, the lower part and then to return to the normal page size. When the upper part is displayed, you can scroll the text, line by line using the ▼▲◄ buttons.

**HOLD**

Press the button to stop the automatically rotating of the subpages. Press the button again to continue the automatic rotating again.

**INDEX**

To display the main index.

**MODE**

The mode will be switched in the Teletext mode.

**TIME**

When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display. In the teletext mode, press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED/GREEN, ▼▲◄ or NUMBER buttons. Press again to exit this function.

**MIX**

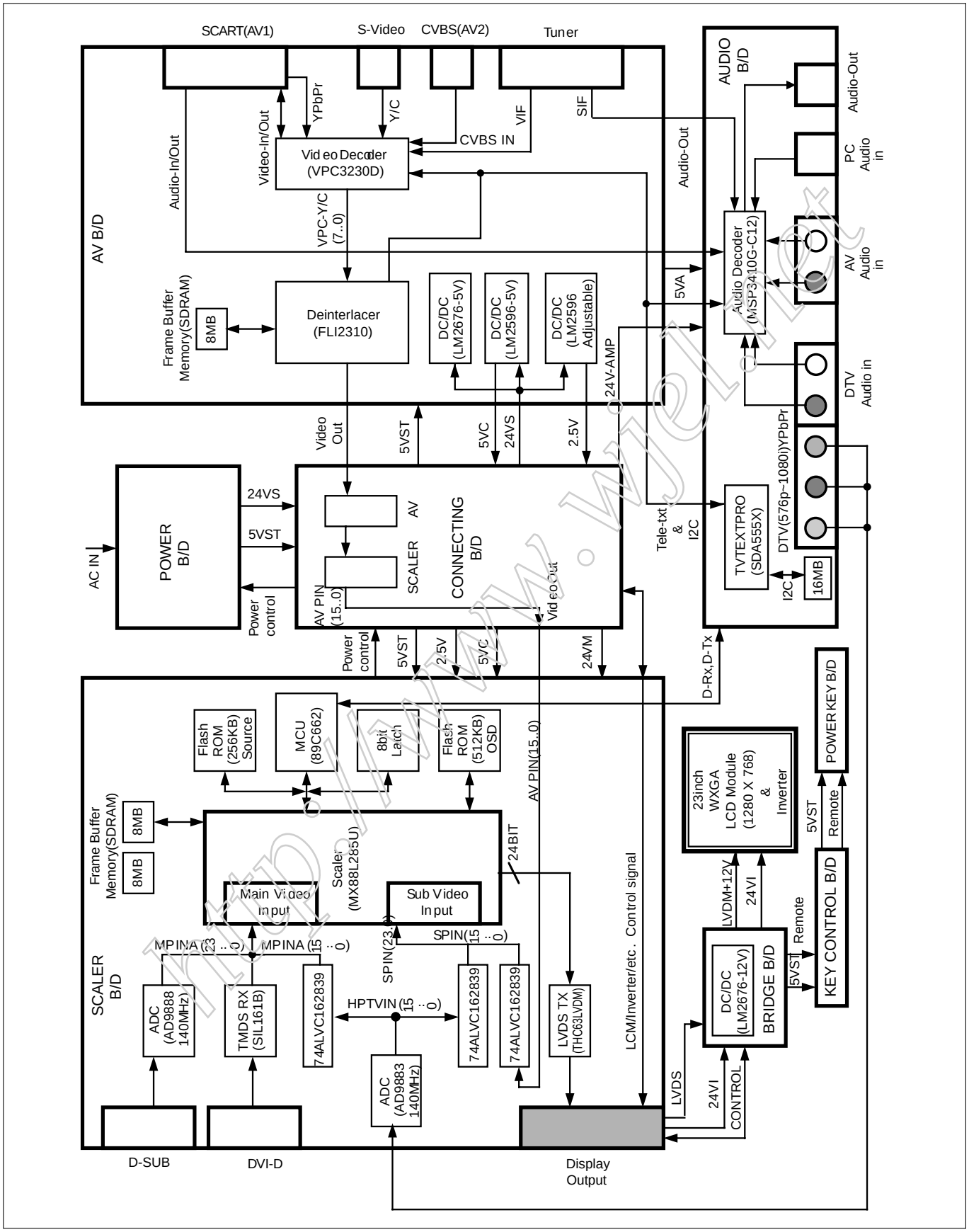
Display the teletext pages superimposed on the TV picture. To switch the TV picture off press this button again.

**REVEAL**

Press the button to reveal/conceal the hidden information, such as solutions to riddles and puzzles. Press this button again to remove the information from the display.

http://www.vcl.net

# BLOCK DIAGRAM




http://www.wjel.net

# DESCRIPTION OF BLOCK DIAGRAM

**1. Input Selection Circuit**

This block is composed of 74VHCT126A(U10)and peripheral devices. There are two inputs, Analog and Digital H/V Sync.

74VHCT126A(U10) chooses one input and outputs selected input through sync selection pin (Pin1,4,13).

**2. A/D Converter**

This block is composed of AD9888 (U12) and peripheral devices. AD9888(U12) includes A/D converter, Pre-amp, and PLL.The basic RGB signal (0.7Vp-p) is input to R,G,B pin of AD9888(U12).

Input video signal is amplified, Phase locked , A/D converted to 8bits digital signal by this IC(U12) And send the Digital video signal to MX88L285(U201). U12 makes clock for MX88L285(U201)

**3. TMDS Receiver**

This Block is composed of SiI161B (U2) and peripheral devices.

This ICs decodes TMDS Input signal from DVI-D Pin (J1) and make 8bit digital signal to send Digital signal to MX88L285(U201).

**4. DDC controller**

This block is composed of P89C662(U43) and peripheral devices. P89C662(U43) controls peripheral devices through IIC line.

Major functions are (1) to control Flash memory through DDC-SCLA, DDC-SDAA of D-sub And (2) to store EDID data in the EEPROM (U34,U49)

**5. Video Decoder**

This block is composed of VPC3230D(U601) and peripheral devices.

P89C662(U43) controls this IC through IIC Line. This IC analyzes input signal of CVBS, Y/C, Y/Pb/Pr and output analyzed signal (8bit interlace signal) to De-interlace block.

Analyzed signal has video control signals like Contrast, Brightness, Sharpness, Color signals Including Adaptive Comb Filter.

**6. DTV Circuit**

This block is composed of AD9883(U14) and peripheral devices. AD9883(U14) includes A/D converter, Pre-amp, and PLL.

Input video signal is amplified, Phase locked , A/D converted to 8bits digital signal by this IC(U14) And send the Digital video signal to MX88L285(U201). U14 makes clock for MX88L285(U201)

**7. Audio Decoder**

This block is composed of MSP3410G (U3) and peripheral devices. P89C662(U43) controls this IC through IIC Line.

This IC analyzes Audio input signal through A/V Jack and PC audio, DVD/ DTV(SCART Jack) audio.

**8. De-interlacer**

This block is composed of FLI2310(U302) and peripheral devices.

P89C662(U43) controls this IC through IIC Line. And this IC convert 8 Bit Interlace Y/UV signal to Deinterlace signal.

It output converted signal to Format Converter MX88L285(U201)

**9. Format Converter**

This block is composed of MX88L285(U201), MX29LV004B(U28), EM638325(U26,U27) and peripheral devices. P89C662 controls this IC through parallel line.

MX88L285(U201) processes outputs of A/D Converter and TMDS Receiver, DTV circuit, De-interlace output and output processed 48 Bit Digital signal to LVDS Transmitter THC63LVDM83(U801).

MX88L285(U201) is Format Converter IC that receive Digital signal and output proper frame signal to LCD Module(1280X768).

**10. Panel-Link Circuit**

LVDS Transmitter THC63LVDM83(U801) is the IC that receives output digital signal of MX88L285(U201) and output to LCD Module.

The signal format is Panel-link. LCD Module has Panel-link receiver that is same output of MX88L285(U201).

This is the best for reduction EMI problem and the number of pin connector.

**11. DC/DC Converter block**

DC/DC Converters convert the input 24V to proper 2.5V, 3.3V, 5V, 8V for main board. For shooting heat trouble, we use the DC/DC converting IC.

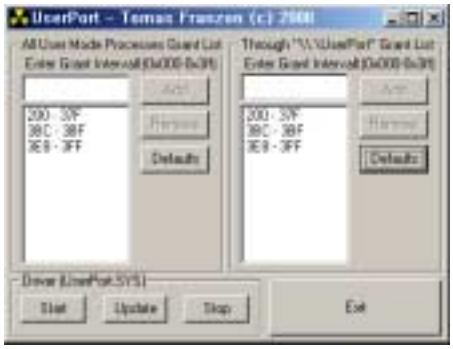
http://www.xiel.net

# ADJUSTMENT

Windows EDID V1.0 User Manual

Operating System: MS Windows 98, 2000, XP
Port Setup: Windows 98 => Don't need setup
Windows 2000, XP => Need to Port Setup.
This program is available to LCD Monitor only.

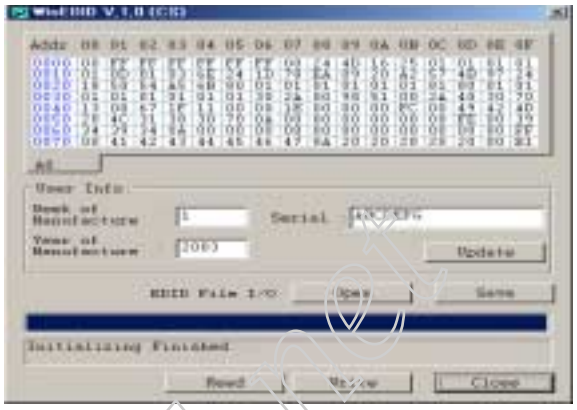
1. Port Setup
   a) Copy "UserPort.sys" file to
   "c:\WINNT\system32\drivers" folder
   b) Run Userport.exe



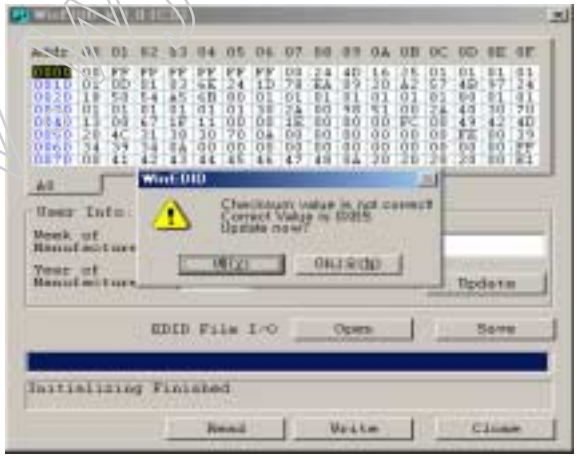

   c) Remove all default number
   d) Add 300-3FF

   e) Click Start button.
   f) Click Exit button.

2. EDID Read & Write
   1) Run WinEDID.exe




   2) Edit Week of Manufacture, Year of Manufacture, Serial Number.
      a) Input User Info Data
      b) Click "Update" button
      c) Click " Write" button



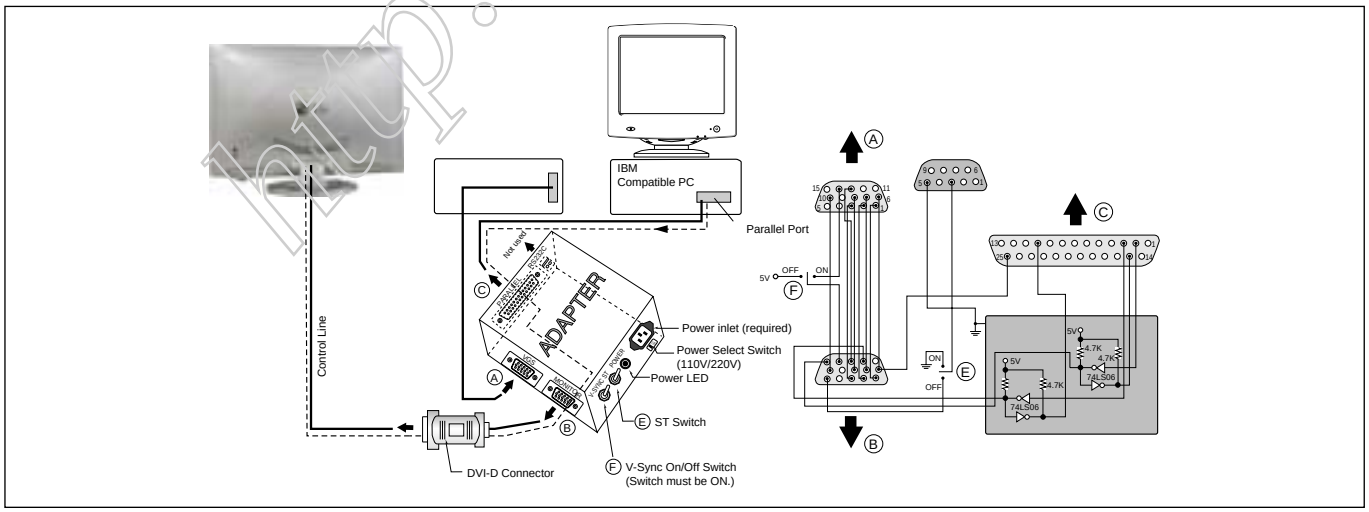
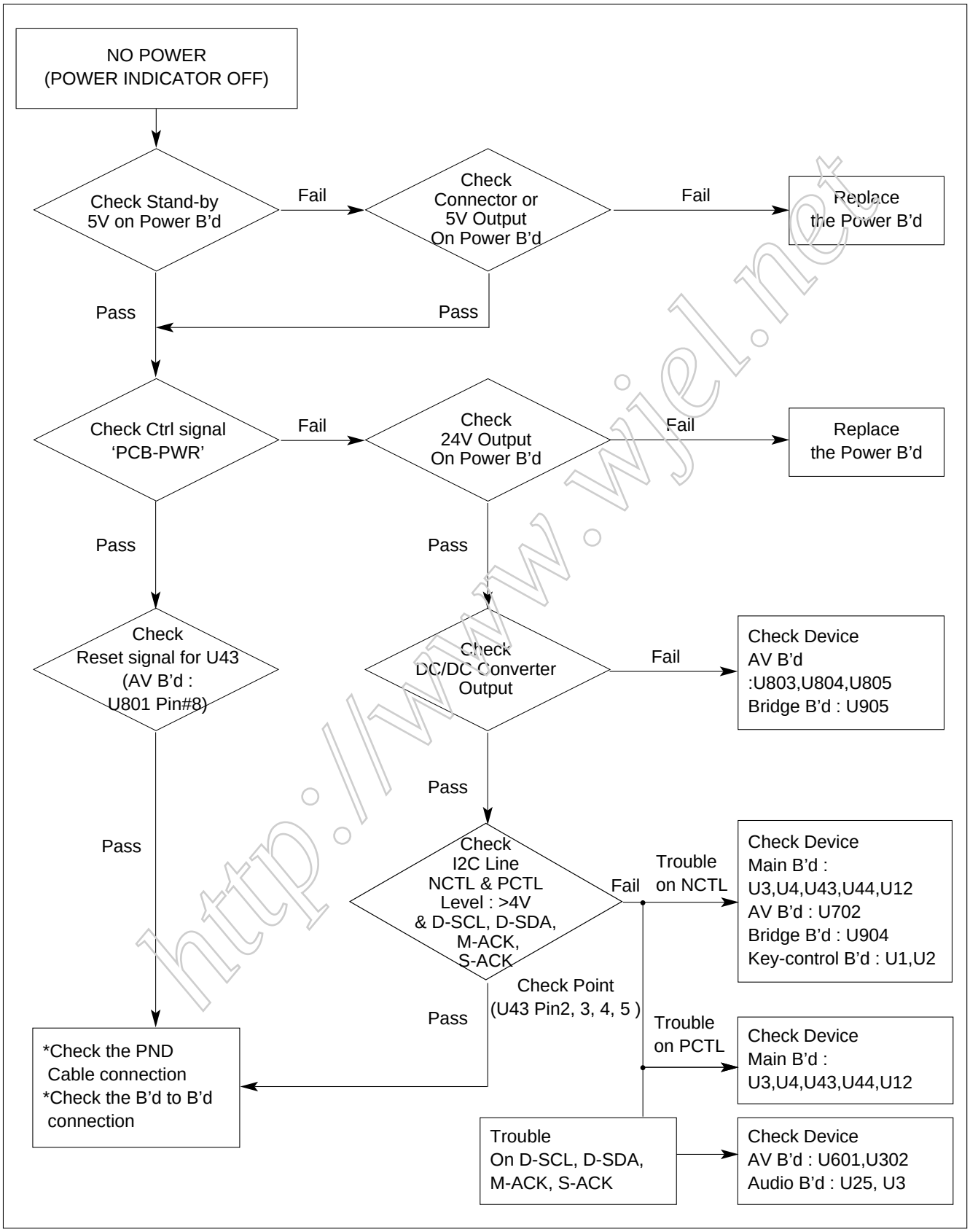




**Figure 1. Cable Connection**

http://www.xiaoli.net

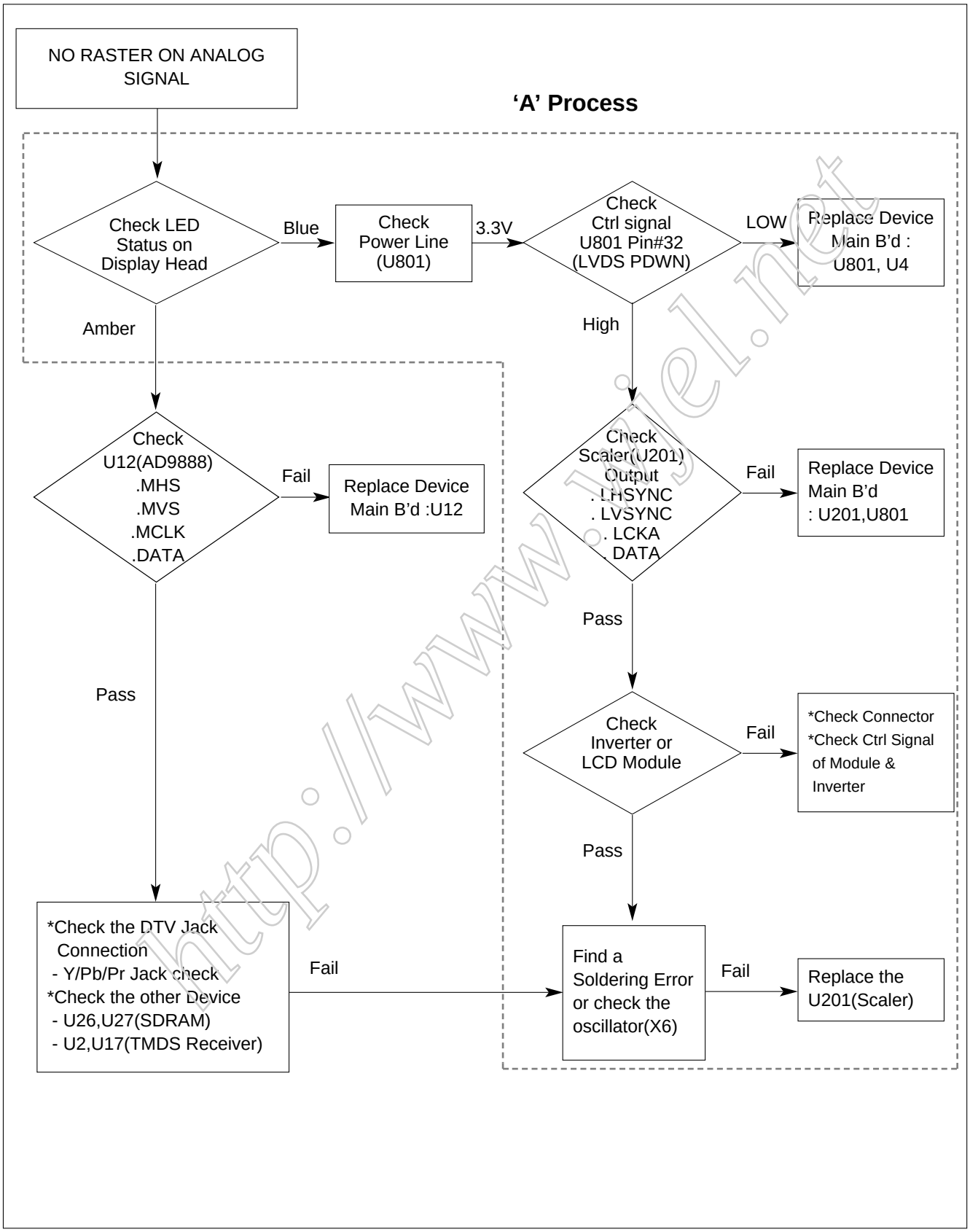
# TROUBLESHOOTING GUIDE

## 1. OUT OF ORDER ON POWER

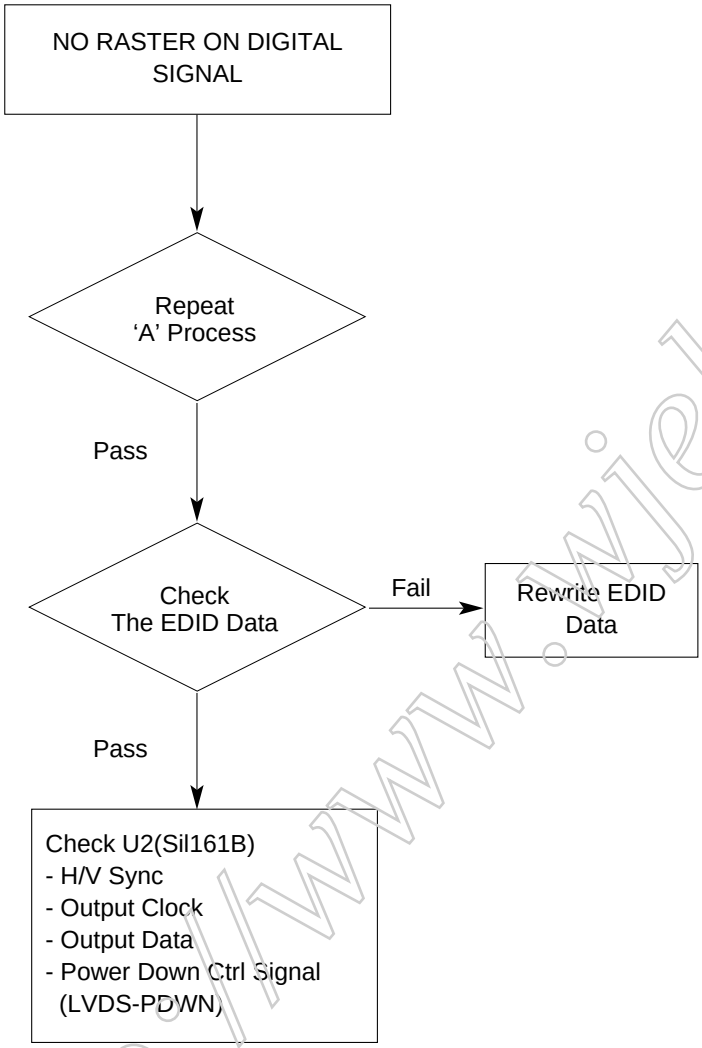



http://www.wjel.net

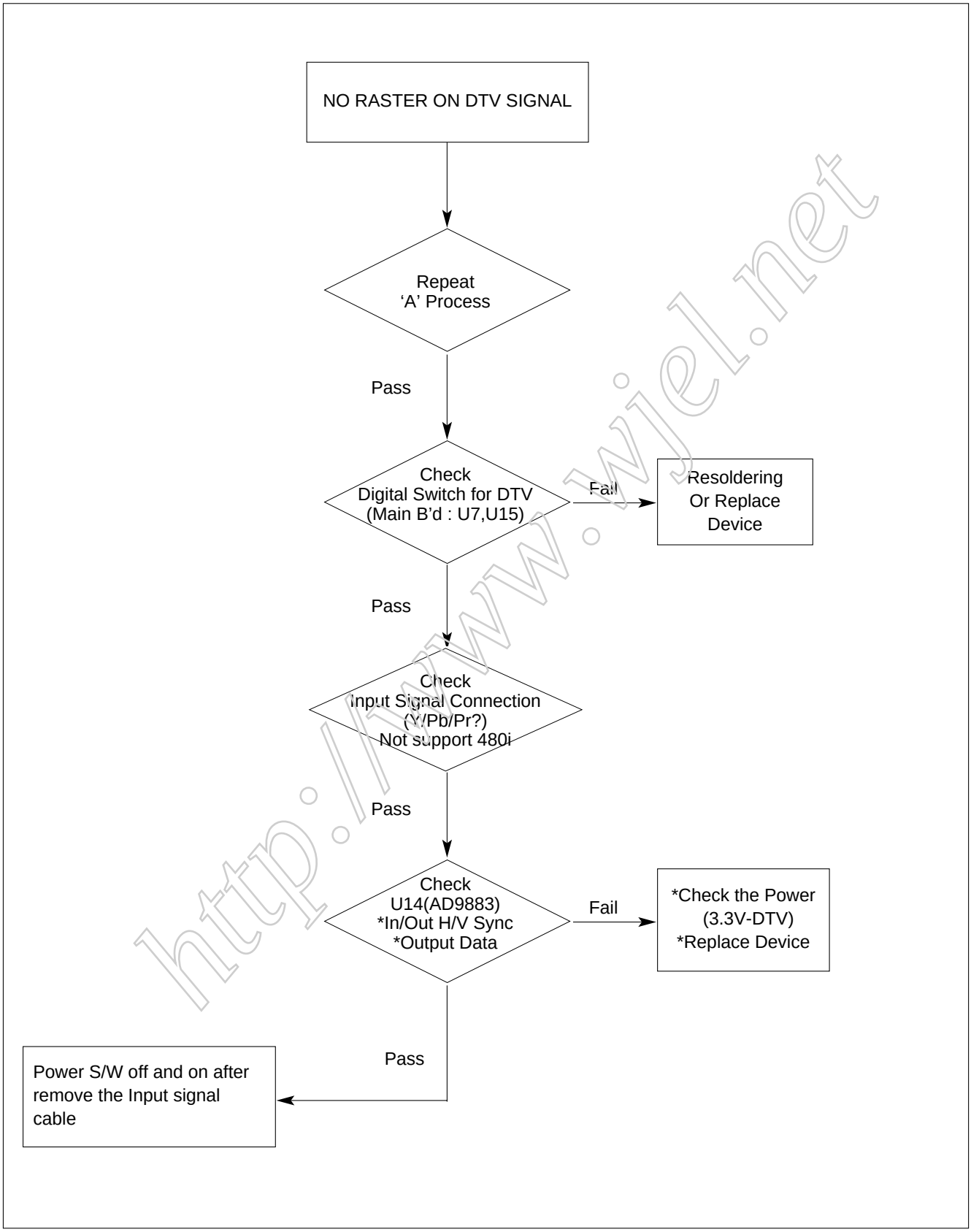
## 2. NO RASTER STATE


NO RASTER ON ANALOG SIGNAL
'A' Process
Check LED Status on Display Head
Blue
Check Power Line (U801)
3.3V
Check Ctrl signal U801 Pin#32 (LVDS PDWN)
LOW
Replace Device Main B'd : U801, U4
Amber
High
Check U12(AD9888) .MHS .MVS .MCLK .DATA
Fail
Replace Device Main B'd :U12
Check Scaler(U201) Output . LHSYNC . LVSYNC . LCKA . DATA
Fail
Replace Device Main B'd : U201,U801
Pass
Pass
Check Inverter or LCD Module
Fail
*Check Connector *Check Ctrl Signal of Module & Inverter
Pass
*Check the DTV Jack Connection - Y/Pb/Pr Jack check *Check the other Device - U26,U27(SDRAM) - U2,U17(TMDS Receiver)
Fail
Find a Soldering Error or check the oscillator(X6)
Fail
Replace the U201(Scaler)

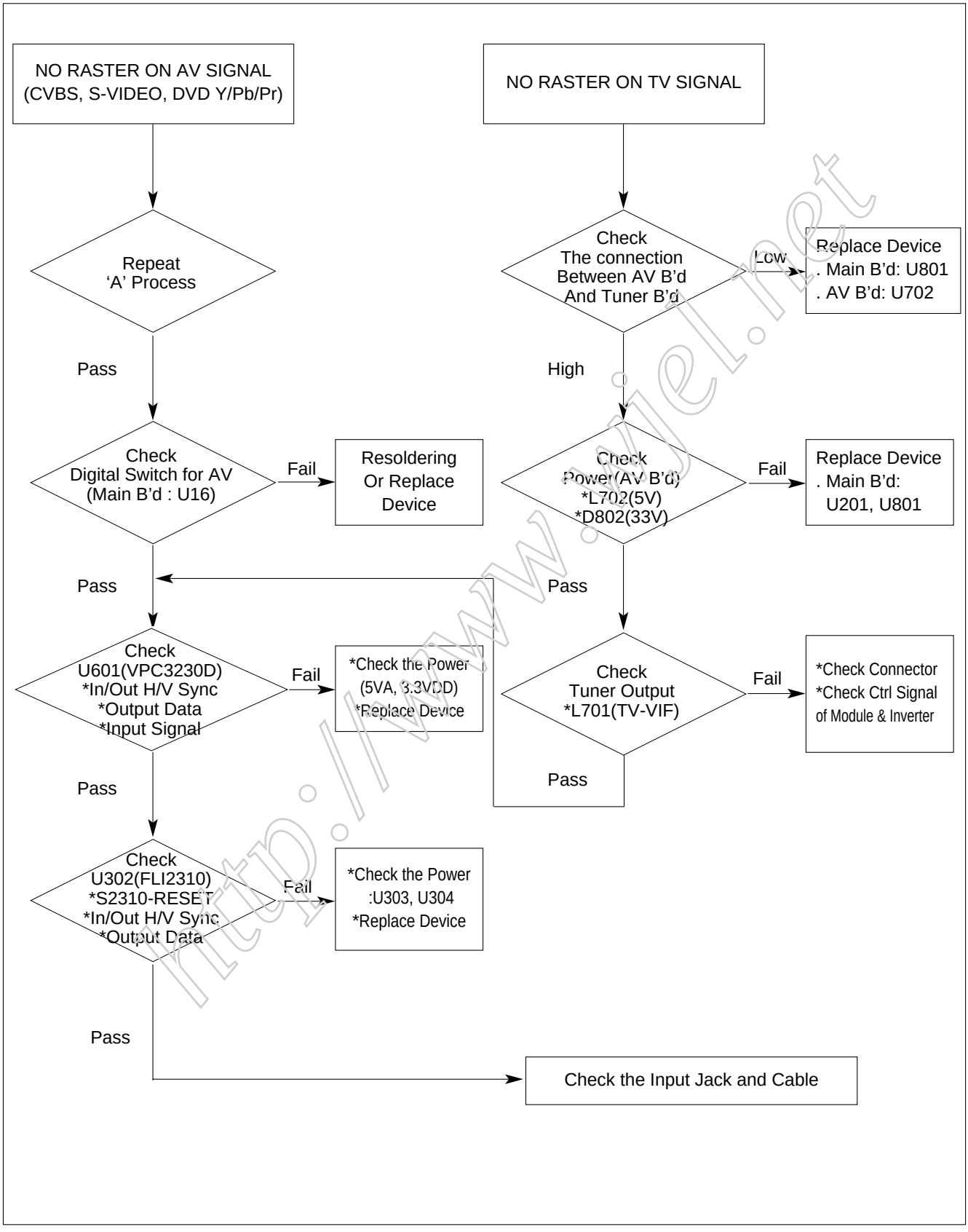
http://www.jiel.net




http://www.wjel.net

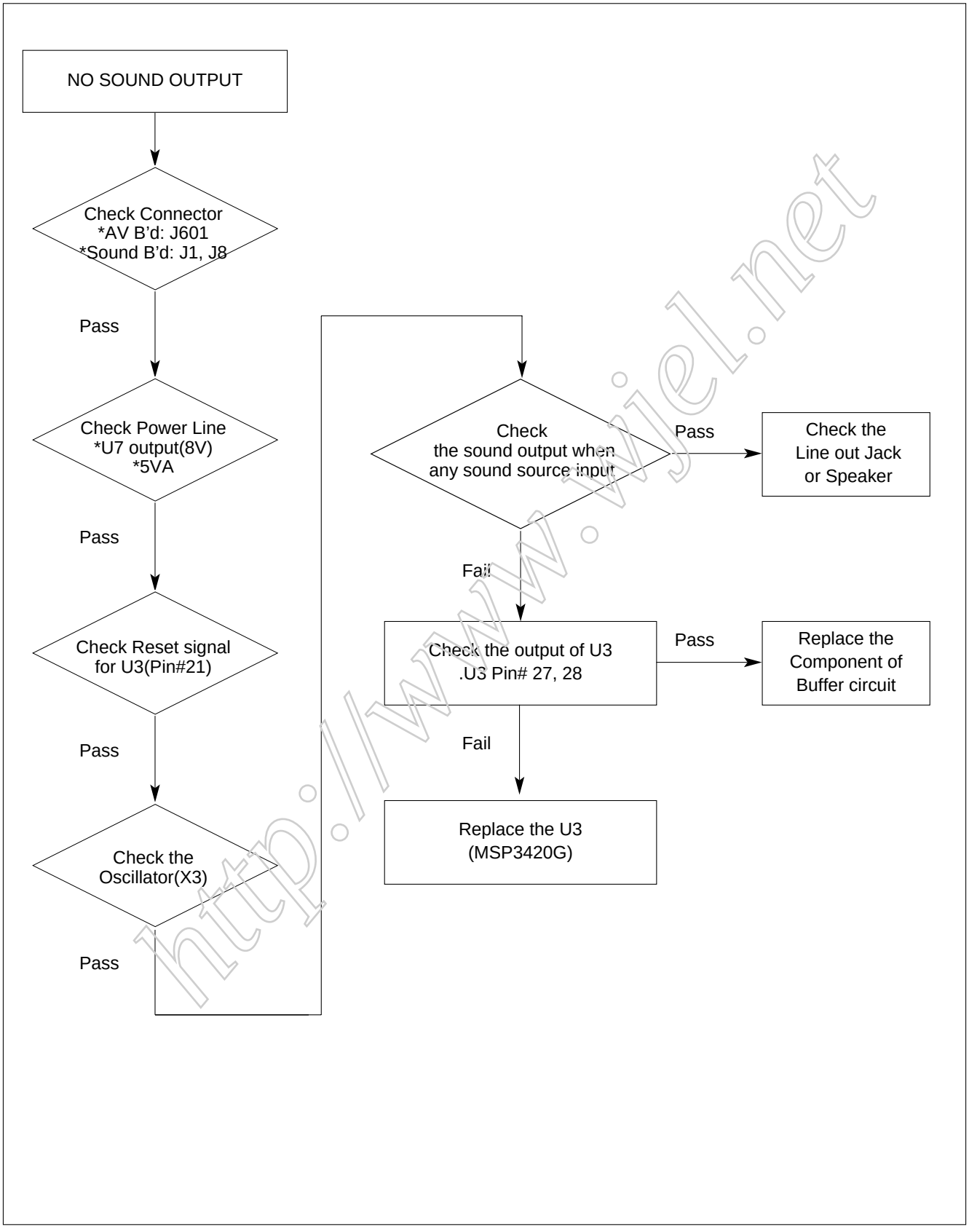



http://www.wiel.net



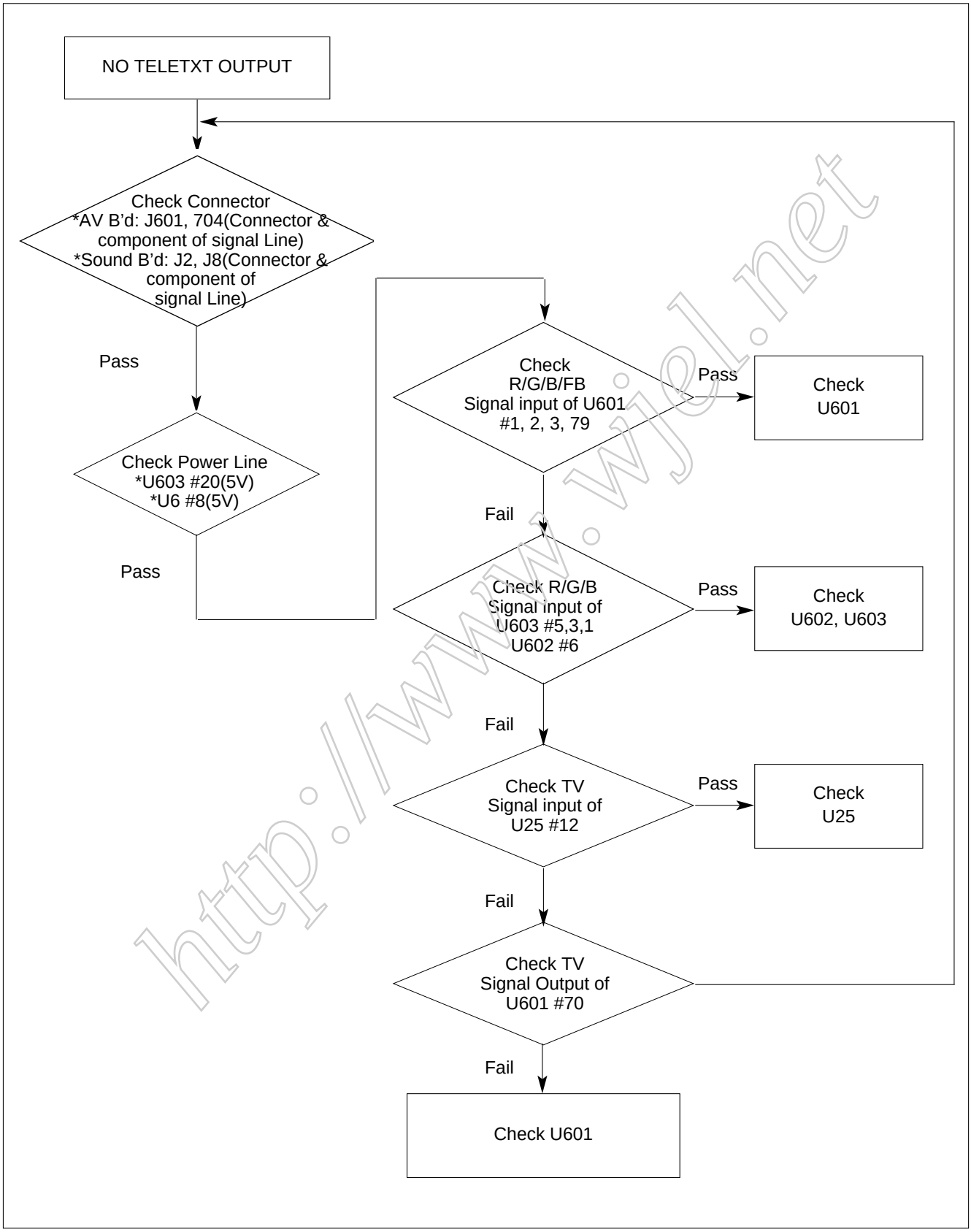

http://www.wel.net

## 3. SOUND TROBLE SHOOTING




http://www.wiel.net

## 4. TELETXT TROBLE SHOOTING




http://www.wjel.net

# REPLACEMENT PARTS LIST

**CAUTION:** BEFORE REPLACING ANY OF THESE COMPONENTS,
READ CAREFULLY THE **SAFETY PRECAUTIONS** IN THIS MANUAL.
* NOTE : **S** SAFETY Mark ⚠
**AL** ALTERNATIVE PARTS

DATE: 2003. 10. 24.

| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | **MAIN BOARD** | | |
| | | CAPACITORS | | |
| | | C1 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C2 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C3 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C4 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C5 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C6 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C7 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C8 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C9 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C10 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C11 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C14 | 0CK475CC94A | "4.7UF 1608 6.3V 80%,-20% F(Y" |
| | | C15 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C16 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C17 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C18 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C19 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C20 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C21 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C22 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C23 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C24 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C25 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C26 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C27 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C31 | 0CH8337C611 | 330UF 6.3V 20% 85STD (CYL) R |
| | | C38 | 0CH8337C611 | 330UF 6.3V 20% 85STD (CYL) R |
| | | C41 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F" |
| | | C42 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C45 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C52 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C53 | 0CC470CK41A | 47PF 1608 50V 5% R/TP NP0 |
| | | C54 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C56 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C59 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C60 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C61 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C62 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C63 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C64 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C65 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C66 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C67 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C68 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C69 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C70 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C71 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C72 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C73 | 0CE107WH6DC | 100UF MVK 25V 20% R/TP(SMD) |
| | | C78 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C79 | 0CH8337C611 | 330UF 6.3V 20% 85STD (CYL) R |
| | | C80 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |

DATE: 2003. 10. 24.

| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | C81 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C82 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C83 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C84 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C85 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C86 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C87 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C88 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C89 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C90 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C91 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C92 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C93 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C94 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C95 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C96 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F" |
| | | C97 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C98 | 0CC330CK41A | 33PF 1608 50V 5% R/TP NP0 |
| | | C99 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C100 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C101 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7 |
| | | C102 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7 |
| | | C103 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C104 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7 |
| | | C105 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7 |
| | | C106 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7 |
| | | C107 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C108 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7 |
| | | C109 | 0CK392CK56A | 3900PF 1608 50V 10% R/TP X7R |
| | | C110 | 0CK393CK56A | 39000PF 1608 50V 10% R/TP X7 |
| | | C111 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C112 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C113 | 0CK823CK56A | 82NF 1608 50V 10% R/TP X7R |
| | | C114 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C115 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C116 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C117 | 0CK822CK56A | 8200PF 1608 50V 10% X7R R/TP |
| | | C118 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7 |
| | | C119 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7 |
| | | C120 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7 |
| | | C121 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C122 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C123 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C125 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C126 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C127 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C128 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C129 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C130 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C131 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C132 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C133 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C134 | 0CC100CK41A | 10PF 1608 50V 5% R/TP NP0 |
| | | C145 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F" |

http://www.wiring.com

DATE: 2003. 10. 24.

| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | C180 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C181 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C182 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C183 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C227 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C234 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C257 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C260 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C262 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C263 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C264 | 0CC330CK41A | 33PF 1608 50V 5% R/TP NP0 |
| | | C265 | 0CC330CK41A | 33PF 1608 50V 5% R/TP NP0 |
| | | C266 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C267 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C280 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C298 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C299 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C300 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C302 | 0CZZTAT002D | SVP SANYO 10V 270UF M REEL O |
| | | C316 | 0CZZTAT002D | SVP SANYO 10V 270UF M REEL O |
| | | C317 | 0CZZTAT002E | SVP SANYO 6.3V 47UF 20% REEL |
| | | C319 | 0CH8227D611 | 220UF 10V 20% 85STD (CYL) R/ |
| | | C320 | 0CE107WH6DC | 100UF MVK 25V 20% R/TP(SMD) |
| | | C322 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C323 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C328 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C329 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 |
| | | C358 | 0CC330CK41A | 33PF 1608 50V 5% R/TP NP0 |
| | | C361 | 0CC330CK41A | 33PF 1608 50V 5% R/TP NP0 |
| | | C371 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C388 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C391 | 0CZZTAT002E | SVP SANYO 6.3V 47UF 20% REEL |
| | | C394 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C413 | 0CH8337C611 | 330UF 6.3V 20% 85STD (CYL) R |
| | | C414 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C488 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 |
| | | C489 | 0CH8337C611 | 330UF 6.3V 20% 85STD (CYL) R |
| | | C492 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C519 | 0CH6150K416 | 15PF 50V J NP0 2012 R/TP |
| | | C520 | 0CC150CK41A | 15PF 1608 50V 5% R/TP NP0 |
| | | C521 | 0CC150CK41A | 15PF 1608 50V 5% R/TP NP0 |
| | | C522 | 0CC150CK41A | 15PF 1608 50V 5% R/TP NP0 |
| | | C533 | 0CZZTAT002D | SVP SANYO 10V 270UF M REEL O |
| | | C534 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C535 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C536 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C537 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C538 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C539 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C540 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C541 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C542 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C545 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C548 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C549 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C550 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C551 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C552 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C553 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C554 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C555 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C556 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |

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|---|---|---|---|---|
| | | C557 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C558 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C559 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C560 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C561 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C562 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C563 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C565 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C569 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C571 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C573 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C574 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C575 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C576 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C577 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C579 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C580 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C581 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C582 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C583 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C584 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C585 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C586 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C587 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C588 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C589 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C590 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C591 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C592 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C593 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C594 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C595 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C596 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C801 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C802 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C803 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C804 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C805 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C806 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C807 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C808 | 0CZZTAT002E | SVP SANYO 6.3V 47UF 20% REEL |
| | | C809 | 0CH3105F946 | 1UF 16V Z F 2012 R/TP |
| | | C810 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C811 | 0CH8477F691 | 470UF MVK 16V 20% SMD R/TP(S |
| | | C812 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C813 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F" |
| DIODEs | | | | |
| | | D3 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D4 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D6 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D8 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D10 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D11 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D12 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D13 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D15 | 0DS301109AA | MMBD301LT1 TP MOTOROLA SOT23 |
| | | D16 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D17 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D18 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D29 | 0DS301109AA | MMBD301LT1 TP MOTOROLA SOT23 |

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|---|---|---|---|---|
| | | D32 | 0DS301109AA | MMBD301LT1 TP MOTOROLA SOT23 |
| | | D33 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D39 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D40 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D42 | 0DS301109AA | MMBD301LT1 TP MOTOROLA SOT23 |
| | | D48 | 0DS301109AA | MMBD301LT1 TP MOTOROLA SOT23 |
| | | D49 | 0DS301109AA | MMBD301LT1 TP MOTOROLA SOT23 |
| | | D53 | 0DR340009AA | MBRS340 TP FAIRCHILD NON 40V |
| | | D801 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D802 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D803 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D804 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D805 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D806 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D807 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D808 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D809 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D810 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | ZD1 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD2 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD3 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD14 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD15 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD16 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD17 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD20 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD24 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD30 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD801 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD802 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD804 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD807 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ICs | | |
| | | U2 | 0IS5161000B | SIL161BCT100 SILICON IMAGE 1 |
| | | U3 | 0IPRPON001A | "JLC1562BFEL ON SEMI 16P,EIAJ" |
| | | U4 | 0IPRPON001A | "JLC1562BFEL ON SEMI 16P,EIAJ" |
| | | U5 | 0IRH033200A | BA033FP-E2 MOLD-3 TP REGULAT |
| | | U7 | 0ISTLFA091A | "74ALVC162839 FAIRCHILD 56P,T" |
| | | U8 | 0IMO741420B | "MC74HCT14ADR2 14P,SOIC TP LE" |
| | | U10 | 0ISTLON026A | "MC74VHCT126ADR2 ON SEMI 14P," |
| | | U12 | 0IPRPAD018A | AD9888KS-140 ANALOG DEVICE 1 |
| | | U14 | 0IPRPAD008C | AD9883AKST-140 ANALOG DEVICE |
| | | U15 | 0ISTLFA091A | "74ALVC162839 FAIRCHILD 56P,T" |
| | | U16 | 0ISTLFA091A | "74ALVC162839 FAIRCHILD 56P,T" |
| | | U26 | 0IMMRCX003A | "EM638325TS-6 ETRON 86P,TOSPI" |
| | | U27 | 0IMMRCX003A | "EM638325TS-6 ETRON 86P,TOSPI" |
| | | U28 | 0IZZTSZ265A | MACRONIX 32 PIN PLCC ST FLAS |
| | | U34 | 0ISS524202B | S524A40X21(SCT0) SAMSUNG ELE |
| | | U40 | 0TFIR80009A | INTERNATIONAL RECTIFIER IRF7 |
| | | U41 | 0INS810343A | LM810M3-4.38 3PIN SOT23-3 R/ |
| | | U42 | 0IZZTSZ264A | MACRONIX 32 PIN PLCC ST FLAS |
| | | U42 | 6620F00017A | CCSD-32T-SM WOOYOUNG 32P PLC |
| | | U43 | 0IMCRPH025A | "P89C662HBA PHILIPS 44P,PLCC" |
| | | U43 | 6620HJ4401A | CCSD-44T-SM WOOYOUNG 44PP |
| | | U44 | 0IMMRSS040C | S524A60X51(SCT0) SAMSUNG ELE |
| | | U46 | 0IFA111733A | RC1117S-33 SOT-223 TP 1A 3.3 |
| | | U49 | 0ISS524202B | S524A40X21(SCT0) SAMSUNG ELE |
| | | U53 | 0ISTLPH045A | "74HCT573 D PHILIPS 20P,SO R/" |
| | | U54 | 0IRH033200A | BA033FP-E2 MOLD-3 TP REGULAT |
| | | U201 | 0IPRPMR003B | "MX88L285AC-S MACRONIX 388P,P" |

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|---|---|---|---|---|
| | | U801 | 0ITH638300B | "THC63LVDM83R THINE 56P,TSSOP" |
| | | U802 | 0IFA111733A | RC1117S-33 SOT-223 TP 1A 3.3 |
| | | COIL & COREs | | |
| | | L1 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L2 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L3 | 6210TCE001D | HB-1M2012-601JT CERATEC 2012 |
| | | L4 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L5 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L6 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L7 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L10 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L12 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L13 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L15 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L16 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L17 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L23 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L24 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L26 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L28 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L29 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L30 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L33 | 6210TCE001P | HB-1S2012-121JT CERATECH 201 |
| | | L34 | 6210TCE001P | HB-1S2012-121JT CERATECH 201 |
| | | L35 | 6210TCE001P | HB-1S2012-121JT CERATECH 201 |
| | | L39 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L40 | 6210TCE001D | HB-1M2012-601JT CERATEC 2012 |
| | | L41 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L65 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L66 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L67 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L83 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L93 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | L94 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L95 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L96 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L97 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L98 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L99 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L801 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L802 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L803 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | TRANSISTOR | | |
| | | Q1 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | Q2 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | Q3 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | Q4 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | Q13 | 0TR162309CA | KSC1623 TP SAMSUNG SOT23 NP |
| | | RESISTORs | | |
| | | R3 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R4 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R5 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R10 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R11 | 0RJ3900D677 | 390 OHM 1/10 W 5% 1608 R/TP |
| | | R12 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R14 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |

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|---|---|---|---|---|
| | | R15 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R16 | 0RJ2201D677 | 2200 OHM 1/10 W 5% 1608 R/TP |
| | | R18 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R19 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R20 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R21 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R22 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R23 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R24 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R25 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R26 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R27 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R28 | 0RJ3301D677 | 3.3K OHM 1/10 W 5% 1608 R/TP |
| | | R29 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R30 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R31 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R32 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R33 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R34 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R35 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R36 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R39 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R40 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R41 | 0RJ3300D677 | 330 OHM 1/10 W 5% 1608 R/TP |
| | | R42 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R43 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R44 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R48 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R53 | 0RH0102D622 | 10 1/10W 5 D.R/TP |
| | | R54 | 0RH0102D622 | 10 1/10W 5 D.R/TP |
| | | R55 | 0RH0102D622 | 10 1/10W 5 D.R/TP |
| | | R56 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R66 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R67 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R68 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R69 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R70 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R71 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R72 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R74 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R75 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R76 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R77 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R78 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R79 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R80 | 0RJ3301D677 | 3.3K OHM 1/10 W 5% 1608 R/TP |
| | | R82 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R83 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R85 | 0RJ2701D677 | 2.7K OHM 1/10 W 5% 1608 R/TP |
| | | R86 | 0RH0222D622 | 22 OHM 1 / 10 W 2012 5.00% D |
| | | R87 | 0RH0222D622 | 22 OHM 1 / 10 W 2012 5.00% D |
| | | R88 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R90 | 0RJ2201D677 | 2200 OHM 1/10 W 5% 1608 R/TP |
| | | R91 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R92 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R93 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R94 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R95 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R96 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R98 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R99 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R103 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | R104 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R106 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R132 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R136 | 0RJ0822D677 | 82 OHM 1/10 W 5% 1608 R/TP |
| | | R144 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R145 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R175 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R179 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R184 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R185 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R186 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R187 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R188 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R189 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R198 | 0RJ8200D677 | 820 OHM 1/10 W 5% 1608 R/TP |
| | | R199 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R200 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R224 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R225 | 0RJ2202D677 | 22K OHM 1/10 W 5% 1608 R/TP |
| | | R230 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R231 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R232 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R233 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R234 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R236 | 0RJ3301D677 | 3.3K OHM 1/10 W 5% 1608 R/TP |
| | | R242 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R243 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R244 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R245 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R246 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R247 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R248 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R249 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R255 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R258 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R259 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R261 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R266 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R267 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R268 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R269 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R270 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R271 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R272 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R273 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R280 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R281 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R282 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R283 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R284 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R285 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R286 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R304 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R324 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R333 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R398 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R399 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R400 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R401 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R402 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R403 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R404 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |

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|---|---|---|---|---|
| | | R405 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R420 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R421 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R422 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R424 | 0RH0222D622 | 22 OHM 1 / 10 W 2012 5.00% D |
| | | R425 | 0RH0222D622 | 22 OHM 1 / 10 W 2012 5.00% D |
| | | R426 | 0RH0222D622 | 22 OHM 1 / 10 W 2012 5.00% D |
| | | R427 | 0RH0222D622 | 22 OHM 1 / 10 W 2012 5.00% D |
| | | R428 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R429 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R430 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R440 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R441 | 0RH1001D422 | 1000 OHM 1 / 10 W 1% D R/TP |
| | | R444 | 0RH1001D422 | 1000 OHM 1 / 10 W 1% D R/TP |
| | | R447 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R477 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R478 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R479 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R480 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R481 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R482 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R483 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R484 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R485 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R486 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R487 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R490 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R491 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R492 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R495 | 0RH1600D622 | 160 OHM 1 / 10 W 5% D R/TP |
| | | R496 | 0RH0912D622 | 91 1/10W 5 D.R/TP |
| | | R497 | 0RH1600D622 | 160 OHM 1 / 10 W 5% D R/TP |
| | | R801 | 0RJ4700D677 | 470 OHM 1/10 W 5% 1608 R/TP |
| | | R802 | 0RJ4700D677 | 470 OHM 1/10 W 5% 1608 R/TP |
| | | R803 | 0RJ4700D677 | 470 OHM 1/10 W 5% 1608 R/TP |
| | | R804 | 0RJ4700D677 | 470 OHM 1/10 W 5% 1608 R/TP |
| | | R805 | 0RJ4700D677 | 470 OHM 1/10 W 5% 1608 R/TP |
| | | R806 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R807 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R808 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R809 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R810 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R811 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R812 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R813 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R814 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R815 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R816 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R817 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R818 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | RA1 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA2 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA3 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA4 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA5 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA6 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA7 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA8 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA9 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA10 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA11 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA12 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |

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|---|---|---|---|---|
| | | RA13 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA14 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA15 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA16 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA17 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA18 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA19 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA20 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA21 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA22 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA23 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA24 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA29 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA30 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA31 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA32 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA33 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA34 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA35 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA36 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA43 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA44 | 0RHZTCZ001F | RCA SMART 4.7KOHM 1/16 W 5% |
| | | RA45 | 0RHZTCZ001F | RCA SMART 4.7KOHM 1/16 W 5% |
| | | RA46 | 0RHZTCZ001F | RCA SMART 4.7KOHM 1/16 W 5% |
| | | RA47 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA48 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA49 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA50 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA55 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA56 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA57 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA58 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA59 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA60 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA61 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA62 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA63 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA64 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA65 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA66 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA67 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA68 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA69 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA70 | 0RHZTCZ001F | RCA SMART 4.7KOHM 1/16 W 5% |
| | | RA71 | 0RHZTCZ001F | RCA SMART 4.7KOHM 1/16 W 5% |
| | | RA74 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA75 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA76 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA77 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA78 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA79 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA80 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA81 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA82 | 0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1 |
| | | RA83 | 0RHZTCZ001F | RCA SMART 4.7KOHM 1/16 W 5% |
| OTHERs | | | | |
| | | X3 | 6202TST001A | "SX-1 SUNNY ,SMS, 14.31818MHZ" |
| | | X6 | 6202TST001A | "SX-1 SUNNY ,SMS, 14.31818MHZ" |

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|---|---|---|---|---|
| | | **VIDEO BOARD** | | |
| | | CAPACITORS | | |
| | | C301 | 0CE107WH6DC | 100UF MVK 25V 20% R/TP(SMD) |
| | | C302 | 0CZZTAT002E | SVP SANYO 6.3V 47UF 20% REEL |
| | | C303 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C304 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C305 | 0CE107WH6DC | 100UF MVK 25V 20% R/TP(SMD) |
| | | C306 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C307 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C308 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C309 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C312 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C313 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C314 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C315 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C316 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C317 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C318 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C319 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C320 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C321 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C322 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C323 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C324 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C325 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C327 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C328 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C329 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C330 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C331 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C333 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C334 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C335 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C337 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C338 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C339 | 0CC120CK41A | 12PF 1608 50V 5% R/TP NP0 |
| | | C340 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C341 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C342 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C343 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C344 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C346 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C347 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C348 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C349 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C350 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C351 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C352 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C353 | 0CZZTAT002E | SVP SANYO 6.3V 47UF 20% REEL |
| | | C354 | 0CE107WH6DC | 100UF MVK 25V 20% R/TP(SMD) |
| | | C357 | 0CE107WH6DC | 100UF MVK 25V 20% R/TP(SMD) |
| | | C358 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C360 | DCH7106F621 | 10UF 16V M 3528MM TP(-) |
| | | C361 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C362 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C601 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C602 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/ |
| | | C603 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C604 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/ |
| | | C605 | 0CH8226F611 | 22UF 16V M 85STD(CYL) R/TP |
| | | C606 | 0CK152CK51A | 1500PF 1608 50V 10% R/TP B(Y |
| | | C607 | 0CH3224K946 | 0.22UF 50V Z F 2012 R/TP |

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|---|---|---|---|---|
| | | C613 | 0CH6101K416 | 100PF 50V J NP0 2012 R/TP |
| | | C614 | 0CK152CK51A | 1500PF 1608 50V 10% R/TP B(Y |
| | | C616 | 0CK472CK51A | 4700PF 1608 50V 10% R/TP B(Y |
| | | C617 | 0CC391CK41A | 390PF 1608 50V 5% NP0 R/TP |
| | | C618 | 0CH3224K946 | 0.22UF 50V Z F 2012 R/TP |
| | | C619 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C620 | 0CC030CK01A | 3PF 1608 50V 0.25 PF R/TP NP |
| | | C621 | 0CC030CK01A | 3PF 1608 50V 0.25 PF R/TP NP |
| | | C622 | 0CK152CK51A | 1500PF 1608 50V 10% R/TP B(Y |
| | | C623 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C624 | 0CH6331K416 | 330PF 50V J NP0 2012 R/TP |
| | | C625 | 0CH3224K946 | 0.22UF 50V Z F 2012 R/TP |
| | | C626 | 0CH6331K416 | 330PF 50V J NP0 2012 R/TP |
| | | C627 | 0CH3224K946 | 0.22UF 50V Z F 2012 R/TP |
| | | C628 | 0CK152CK51A | 1500PF 1608 50V 10% R/TP B(Y |
| | | C629 | 0CH6331K416 | 330PF 50V J NP0 2012 R/TP |
| | | C630 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C631 | 0CH3684K946 | "0.68UF 50V 80%,-20% F(Y5V) 2" |
| | | C632 | 0CH3684K946 | "0.68UF 50V 80%,-20% F(Y5V) 2" |
| | | C633 | 0CH6391K416 | 390PF 50V 5% NP0 2012 R/TP |
| | | C634 | 0CH6391K416 | 390PF 50V 5% NP0 2012 R/TP |
| | | C635 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C636 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C637 | 0CH3224K946 | 0.22UF 50V Z F 2012 R/TP |
| | | C638 | 0CH3224K946 | 0.22UF 50V Z F 2012 R/TP |
| | | C639 | 0CH3683K946 | 68000PF 50V Z F 2012 R/TP |
| | | C640 | 0CH3683K946 | 68000PF 50V Z F 2012 R/TP |
| | | C641 | 0CH3683K946 | 68000PF 50V Z F 2012 R/TP |
| | | C642 | 0CH6152K406 | 1500PF 50V J SL 2012 R/TP |
| | | C644 | 0CH3472K516 | 4700PF 50V K B 2012 R/TP |
| | | C645 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C646 | 0CH3684K946 | "0.68UF 50V 80%,-20% F(Y5V) 2" |
| | | C650 | 0CK472CK51A | 4700PF 1608 50V 10% R/TP B(Y |
| | | C653 | 0CK472CK51A | 4700PF 1608 50V 10% R/TP B(Y |
| | | C659 | 0CE107WF6DC | 100UF MVK 16V 20% R/TP(SMD) |
| | | C660 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C662 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C663 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C664 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C665 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C666 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C667 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C668 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C669 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C670 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C671 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C672 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C673 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C674 | 0CH3104K946 | 100000PF 50V Z F 2012 R/TP |
| | | C675 | 0CC471CK41A | 470PF 1608 50V 5% R/TP NP0 |
| | | C677 | 0CH3684K946 | "0.68UF 50V 80%,-20% F(Y5V) 2" |
| | | C679 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C680 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C702 | 0CC331CK41A | 330PF 1608 50V 5% R/TP NP0 |
| | | C703 | 0CC331CK41A | 330PF 1608 50V 5% R/TP NP0 |
| | | C704 | 0CC331CK41A | 330PF 1608 50V 5% R/TP NP0 |
| | | C705 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C706 | 0CH8107D611 | 100UF 10V 20% 85STD (CYL) R/ |
| | | C707 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C717 | 0CE227ED638 | 220UF KMG 10V 20% FM5 TP 5 |
| | | C718 | 0CC471CK41A | 470PF 1608 50V 5% R/TP NP0 |
| | | C719 | 0CC471CK41A | 470PF 1608 50V 5% R/TP NP0 |

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|---|---|---|---|---|
| | | C720 | 0CC471CK41A | 470PF 1608 50V 5% R/TP NP0 |
| | | C721 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C723 | 0CC471CK41A | 470PF 1608 50V 5% R/TP NP0 |
| | | C724 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C725 | 0CH8476D691 | 47UF MVK 10V 20% SMD R/TP(SM |
| | | C726 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C727 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C728 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F" |
| | | C729 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C801 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C802 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C803 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C805 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C806 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C807 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C808 | 0CE227ED638 | 220UF KMG 10V 20% FM5 TP 5 |
| | | C809 | 0CE227ED638 | 220UF KMG 10V 20% FM5 TP 5 |
| | | C810 | 0CZZTAT002D | SVP SANYO 10V 270UF M REEL O |
| | | C811 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C812 | 0CZZTAT002D | SVP SANYO 10V 270UF M REEL O |
| | | C813 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C814 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C815 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C816 | 0CE337EJ618 | 330UF KMG 35V 20% TP 5 FL |
| | | C817 | 0CE227EJ638 | 220UF KMG 35V M FM5 TP 5 |
| | | C818 | 0CE1086J630 | 1000UF SMS 35V M FM5 BULK |
| | | C819 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C820 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C821 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C822 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C823 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C824 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C825 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C826 | 0CE227ED638 | 220UF KMG 10V 20% FM5 TP 5 |
| | | C827 | 0CE227ED638 | 220UF KMG 10V 20% FM5 TP 5 |
| | | C828 | 0CE476EK638 | 47UF KMG 50V M FM5 TP 5 |
| | | C829 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C830 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C831 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C840 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C841 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C842 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C843 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C844 | 0CE476EK638 | 47UF KMG 50V M FM5 TP 5 |
| | | C845 | 0CE107WJ6DC | 100UF MVK 35V 20% R/TP(SMD) |
| | | C846 | 0CE107WJ6DC | 100UF MVK 35V 20% R/TP(SMD) |
| | | C907 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C925 | 0CC330CK41A | 33PF 1608 50V 5% R/TP NP0 |
| | | C929 | 0CE107WH6DC | 100UF MVK 25V 20% R/TP(SMD) |
| | | C932 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C933 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C934 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C935 | 0CE337EJ618 | 330UF KMG 35V 20% TP 5 FL |
| | | C936 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/ |
| | | C937 | 0CH8107J611 | 100UF 35V M 85STD(CYL) R/TP |
| | | C938 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C939 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C940 | 0CH8107D611 | 100UF 10V 20% 85STD (CYL) R/ |
| | | C941 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C944 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C946 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C947 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |

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|---|---|---|---|---|
| | | C948 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F" |
| | | C949 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C950 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C952 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C953 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C957 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C958 | 0CH8477F691 | 470UF MVK 16V 20% SMD R/TP(S |
| | | C959 | 0CE107WJ6DC | 100UF MVK 35V 20% R/TP(SMD) |
| | | C961 | 0CK474CH94A | "0.47UF 1608 25V 80%,-20% R/T" |
| | | C962 | 0CH8476J611 | 47UF 35V M 85STD (CYL) R/TP |
| | | C963 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C964 | 0CE227VH6DC | 220UF MV 25V 20% R/TP(SMD) S |
| | | C965 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C967 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C968 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | DIODEs | | |
| | | D701 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D702 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D703 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D704 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D705 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D706 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D707 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D708 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D801 | 0DR340009AA | MBRS340 TP FAIRCHILD NON 40V |
| | | D802 | 0DS181009AA | KDS181 TP KEC SOT-23 80V 3 |
| | | D805 | 0DR340009AA | MBRS340 TP FAIRCHILD NON 40V |
| | | D808 | 0DRON00208A | MBRD640CTT4 ON SEMI R/TP D-P |
| | | D904 | 0DR340009AA | MBRS340 TP FAIRCHILD NON 40V |
| | | D905 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D906 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D907 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D908 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D909 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D910 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D911 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D912 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D913 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D914 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | ZD701 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD702 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD703 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD704 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD705 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD706 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD707 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD708 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD709 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD713 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD716 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD717 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD718 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD719 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD720 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD721 | 0DZ120009CF | UDZ 12B TP ROHM-K SOD323 200 |
| | | ZD722 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD723 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD724 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD725 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD726 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |

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|---|---|---|---|---|
| | | ZD801 | 0DZ120009CF | UDZ 12B TP ROHM-K SOD323 200 |
| | | ZD802 | 0DZ620009HB | UDZ S 6.2B TP ROHM SOD323 20 |
| | | ZD910 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD911 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD912 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD913 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD914 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD920 | 0DZ120009CF | UDZ 12B TP ROHM-K SOD323 200 |
| | ICs | | | |
| | | U301 | 0IMMRHY033A | HY57V643220C(L)T-6 HYNIX 86P |
| | | U302 | 0IMCRGN001B | FLI2310BC GENESIS 208P PQFP |
| | | U303 | 0IPMGFA003D | FAN1117AS-1.8 FAIRCHILD 4P S |
| | | U304 | 0IRH033200A | BA033FP-E2 MOLD-3 TP REGULAT |
| | | U601 | 0IIT323000E | VPC3230D C5 80P QFP TRAY VID |
| | | U602 | 0ISTLFA094A | "FSTD3306MTC FAIRCHILD 8P,TSS" |
| | | U603 | 0IRH765700B | "BA7657F 24P,SOP TP INPUT SIG" |
| | | U702 | 0IPRPON001A | "JLC1562BFEL ON SEMI 16P,EIAJ" |
| | | U801 | 0IDS170800A | DS1708S 8P SOIC ST MICROMONI |
| | | U803 | 0INS267650A | LM2676S-5.0 7PIN TO263 R/TP |
| | | U804 | 0IPMGNS004B | LM2676S-ADJ NATIONAL SEMICON |
| | | U805 | 0INS267650A | LM2676S-5.0 7PIN TO263 R/TP |
| | | U904 | 0IPRPON001A | "JLC1562BFEL ON SEMI 16P,EIAJ" |
| | | U906 | 0TFIR80016A | INTERNATIONAL RECTIFIER IRF7 |
| | | U907 | 0INS267612A | LM2676S-12 7PIN TO-263 R/TP |
| | COIL & COREs | | | |
| | | L301 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L302 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L303 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L304 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L305 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L330 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L601 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L602 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L605 | 0LC2000005D | "F1-B2012-332KJT,3.3 UH CERAT" |
| | | L610 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L611 | 6210TCE001D | HB-1M2012-601JT CERATEC 2012 |
| | | L612 | 0LC2000005E | "FI-C2012-822KJT,8.2UH CERATE" |
| | | L615 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L701 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L702 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L705 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L713 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L714 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L715 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L716 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L717 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L718 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L719 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L720 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L721 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L722 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L723 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L724 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L801 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L802 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L803 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L806 | 6140TBZ016H | "- - DR10*7,0.5MM 22UH,L2320A" |
| | | L807 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |

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|---|---|---|---|---|
| | | L808 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L809 | 6140TBZ016J | "- - DR10*7,0.5MM 33UH,L2320A" |
| | | L810 | 6140TBZ016J | "- - DR10*7,0.5MM 33UH,L2320A" |
| | | L811 | 6140TBZ016J | "- - DR10*7,0.5MM 33UH,L2320A" |
| | | L812 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L813 | 6210TCE0013 | - CERATEC R/TP HB1M1608-121J |
| | | L907 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L915 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L918 | 6140TBZ016E | "LX31 GET DR10*7,0.45*37TS,68" |
| | | L919 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L920 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L921 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L923 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L924 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L925 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L926 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L927 | 6210TCE001R | HB-1S2012-400JT CERATECH 201 |
| | | L928 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L929 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L930 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L931 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L932 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L933 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L934 | 6140TBZ016E | "LX31 GET DR10*7,0.45*37TS,68" |
| | | L935 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L936 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L940 | 6200J00007B | "- TDK R/TP ACM0706-1000,LA29" |
| | | L941 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | TRANSITORs | | | |
| | | Q601 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - |
| | | Q602 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | Q701 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - |
| | | Q702 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - |
| | | Q901 | 0TR162309CA | KSC1623 TP SAMSUNG SOT23 NP |
| | | Q902 | 0TR162309CA | KSC1623 TP SAMSUNG SOT23 NP |
| | RESISTORs | | | |
| | | R301 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R302 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R303 | 0RJ0472D677 | 47 OHM 1/10 W 5% 1608 R/TP |
| | | R304 | 0RJ0472D677 | 47 OHM 1/10 W 5% 1608 R/TP |
| | | R305 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R306 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R309 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R312 | 0RJ0472D677 | 47 OHM 1/10 W 5% 1608 R/TP |
| | | R313 | 0RJ0472D677 | 47 OHM 1/10 W 5% 1608 R/TP |
| | | R314 | 0RJ0472D677 | 47 OHM 1/10 W 5% 1608 R/TP |
| | | R315 | 0RJ0472D677 | 47 OHM 1/10 W 5% 1608 R/TP |
| | | R316 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R317 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R318 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R322 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R323 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R325 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R326 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R327 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R330 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R331 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R332 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | R601 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R602 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R603 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R608 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R610 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R611 | 0RH4700D622 | 470 1/10W 5 D.R/TP |
| | | R612 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R613 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R615 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R617 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R619 | 0RJ3300D677 | 330 OHM 1/10 W 5% 1608 R/TP |
| | | R620 | 0RJ4700D677 | 470 OHM 1/10 W 5% 1608 R/TP |
| | | R621 | 0RJ2702D677 | 27K OHM 1/10 W 5% 1608 R/TP |
| | | R622 | 0RH4700D622 | 470 1/10W 5 D.R/TP |
| | | R623 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R624 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R625 | 0RH4700D622 | 470 1/10W 5 D.R/TP |
| | | R626 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R628 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R629 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R630 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R632 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R634 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R635 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R636 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R650 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R651 | 0RJ3001D677 | 3K OHM 1/10 W 5% 1608 R/TP |
| | | R653 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R654 | 0RJ4700D677 | 470 OHM 1/10 W 5% 1608 R/TP |
| | | R655 | 0RH4700D622 | 470 1/10W 5 D.R/TP |
| | | R656 | 0RH4700D622 | 470 1/10W 5 D.R/TP |
| | | R657 | 0RH4700D622 | 470 1/10W 5 D.R/TP |
| | | R658 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R659 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R660 | 0RJ6802D677 | 68K OHM 1/10 W 5% 1608 R/TP |
| | | R661 | 0RJ2001D677 | 2K OHM 1/10 W 5% 1608 R/TP |
| | | R662 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R663 | 0RH4700D622 | 470 1/10W 5 D.R/TP |
| | | R664 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R665 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R666 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R667 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R668 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R669 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R711 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R712 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R713 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R714 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R715 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R716 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R717 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R718 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R719 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R721 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R723 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R724 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R730 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R731 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R732 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R733 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R734 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R735 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | R736 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R737 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R739 | 0RJ0752D477 | 75 OHM 1/10 W 1% 1608 R/TP |
| | | R743 | 0RJ0822D677 | 82 OHM 1/10 W 5% 1608 R/TP |
| | | R744 | 0RJ0822D677 | 82 OHM 1/10 W 5% 1608 R/TP |
| | | R745 | 0RJ0822D677 | 82 OHM 1/10 W 5% 1608 R/TP |
| | | R746 | 0RJ0822D677 | 82 OHM 1/10 W 5% 1608 R/TP |
| | | R747 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R748 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R749 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R750 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R751 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R752 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R753 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R754 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R755 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R756 | 0RJ3901D677 | 3.9K OHM 1/10 W 5% 1608 R/TP |
| | | R773 | 0RJ0220D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R774 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R775 | 0RJ3301D677 | 3.3K OHM 1/10 W 5% 1608 R/TP |
| | | R776 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R777 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R778 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R779 | 0RH2401D422 | 2.4K OHM 1 / 10 W 2012 1% D |
| | | R780 | 0RJ2002D477 | 20K OHM 1/10 W 1% 1608 R/TP |
| | | R782 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R783 | 0RJ1003D677 | 100K OHM 1/10 W 5% 1608 R/TP |
| | | R801 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R803 | 0RJ1502D677 | 15K OHM 1/10 W 5% 1608 R/TP |
| | | R805 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R806 | 0RJ1001D477 | 1K OHM 1/10 W 1% 1608 R/TP |
| | | R807 | 0RJ1001D477 | 1K OHM 1/10 W 1% 1608 R/TP |
| | | R808 | 0RJ1001D477 | 1K OHM 1/10 W 1% 1608 R/TP |
| | | R810 | 0RJ3900D677 | 390 OHM 1/10 W 5% 1608 R/TP |
| | | R812 | 0RJ1202D677 | 12K OHM 1/10 W 5% 1608 R/TP |
| | | R814 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R816 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R817 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R818 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R819 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R840 | 0RJ1202D677 | 12K OHM 1/10 W 5% 1608 R/TP |
| | | R841 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R842 | 0RJ2001D677 | 2K OHM 1/10 W 5% 1608 R/TP |
| | | R843 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R844 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R845 | 0RJ1001D477 | 1K OHM 1/10 W 1% 1608 R/TP |
| | | R913 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R914 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R924 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R926 | 0RJ3301D677 | 3.3K OHM 1/10 W 5% 1608 R/TP |
| | | R928 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R929 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R930 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R931 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R934 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R935 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R936 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R938 | 0RJ3301D677 | 3.3K OHM 1/10 W 5% 1608 R/TP |
| | | R939 | 0RJ3301D677 | 3.3K OHM 1/10 W 5% 1608 R/TP |
| | | R940 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R941 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R942 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | R943 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R945 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R946 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R947 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R948 | 0RJ2701D677 | 2.7K OHM 1/10 W 5% 1608 R/TP |
| | | R949 | 0RJ2001D677 | 2K OHM 1/10 W 5% 1608 R/TP |
| | | R951 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R952 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | RA301 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA302 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA303 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA304 | 0RHZTCZ001E | RCA SMART 47OHM 1/16 W 5% 32 |
| | | RA305 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA306 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA307 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA308 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA309 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA310 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA311 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA312 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA601 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA602 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA603 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA604 | 0RHZTCZ001A | RCA SMART 100OHM 1/16 W 5% 3 |
| | | RA703 | 0RHZTCZ001F | RCA SMART 4.7KOHM 1/16 W 5% |
| | | RA704 | 0RHZTCZ001F | RCA SMART 4.7KOHM 1/16 W 5% |
| | OTHERs | | | |
| | | T801 | 6170TCZ014A | EPC17 22UH LM805L |
| | | X301 | 6212AA2004G | HC-49U TXC 13.5MHZ +/- 30 PP |
| | | X601 | 6202TST003C | HC-49/SM5H KONY CHIP 20.25MH |
| | **SOUND BOARD** | | | |
| | CAPACITORS | | | |
| | | C1 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C2 | 0CH8106F611 | 10UF 16V M 85STD(CYL) R/TP |
| | | C3 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C4 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C5 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C6 | 0CH3222K516 | 2200PF 50V K B 2012 R/TP |
| | | C7 | 0CH3222K516 | 2200PF 50V K B 2012 R/TP |
| | | C8 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C9 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C10 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F" |
| | | C11 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F" |
| | | C14 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/ |
| | | C15 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/ |
| | | C16 | 0CC330CK41A | 33PF 1608 50V 5% R/TP NP0 |
| | | C17 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C20 | 0CE107WF6DC | 100UF MVK 16V 20% R/TP(SMD) |
| | | C21 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C45 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/ |
| | | C46 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/ |
| | | C47 | 0CC560CK41A | 56PF 1608 50V 5% R/TP NP0 |
| | | C48 | 0CC560CK41A | 56PF 1608 50V 5% R/TP NP0 |
| | | C49 | 0CC560CK41A | 56PF 1608 50V 5% R/TP NP0 |
| | | C50 | 0CC3R3CK01A | 3.3PF 1608 50V 0.25 PF R/TP |
| | | C51 | 0CC3R3CK01A | 3.3PF 1608 50V 0.25 PF R/TP |
| | | C52 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C53 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | C54 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C55 | 0CH8475J611 | 4.7UF 35V M 85STD(CYL) R/TP |
| | | C56 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C57 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C58 | 0CH8106F611 | 10UF 16V M 85STD(CYL) R/TP |
| | | C59 | 0CE477EF638 | 470UF KMG 16V M FM5 TP 5 |
| | | C60 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C134 | 0CK222CK51A | 2200PF 1608 50V 10% R/TP B(Y |
| | | C135 | 0CK222CK51A | 2200PF 1608 50V 10% R/TP B(Y |
| | | C136 | 0CK222CK51A | 2200PF 1608 50V 10% R/TP B(Y |
| | | C137 | 0CK222CK51A | 2200PF 1608 50V 10% R/TP B(Y |
| | | C138 | 0CK222CK51A | 2200PF 1608 50V 10% R/TP B(Y |
| | | C139 | 0CK222CK51A | 2200PF 1608 50V 10% R/TP B(Y |
| | | C140 | 0CK222CK51A | 2200PF 1608 50V 10% R/TP B(Y |
| | | C141 | 0CK222CK51A | 2200PF 1608 50V 10% R/TP B(Y |
| | | C147 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C237 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C238 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C239 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C240 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C241 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C242 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C243 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C244 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C245 | 0CH3474H946 | "0.47UF 25V 80%,-20% F(Y5V) 2" |
| | | C247 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C248 | 0CH8106F611 | 10UF 16V M 85STD(CYL) R/TP |
| | | C249 | 0CH8107J611 | 100UF 35V M 85STD(CYL) R/TP |
| | | C250 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C251 | 0CH8106F611 | 10UF 16V M 85STD(CYL) R/TP |
| | | C254 | 0CH8106F611 | 10UF 16V M 85STD(CYL) R/TP |
| | | C255 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C314 | 0CC330CK41A | 33PF 1608 50V 5% R/TP NP0 |
| | | C444 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C505 | 0CK474CH94A | "0.47UF 1608 25V 80%,-20% R/T" |
| | | C507 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C508 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/ |
| | | C509 | 0CH6151K416 | 150PF 50V J NP0 2012 R/TP |
| | | C510 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C511 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/ |
| | | C517 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/ |
| | | C615 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C616 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C617 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C618 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C619 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C620 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | DIODEs | | | |
| | | D5 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D6 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D7 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D8 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D9 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D10 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D47 | 0DS181009AA | KDS181 TP KEC SOT-23 80V 3 |
| | | ZD1 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD2 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD3 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD5 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD6 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | ZD7 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD8 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD9 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD13 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD14 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD16 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD17 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD18 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD19 | 0DZ360009EB | UDZ 3.6B TP ROHM SOD323 200M |
| | | ZD20 | 0DZ910009FE | UDZS 9.1B TP ROHM - - 9.1V - |
| | | ZD21 | 0DZ120009CF | UDZ 12B TP ROHM-K SOD323 200 |
| | | ICs | | |
| | | U1 | 6612F00025D | PPJ137Y PARK ELEC. WH/RD RCA |
| | | U2 | 0IMMRSS040C | S524A60X51(SCT0) SAMSUNG ELE |
| | | U3 | 0IPRPMN002A | MSP3410G-C12-001 MICRONAS 80 |
| | | U4 | 0IKE702700D | "KIA7027AF 3, SOT-89 TP RESET" |
| | | U5 | 6612F00025D | PPJ137Y PARK ELEC. WH/RD RCA |
| | | U6 | 0ISTLFA094A | "FSTD3306MTC FAIRCHILD 8P,TSS" |
| | | U7 | 0ISS780800J | "KA78M08R 3P,D-PAK TP VOL. RE" |
| | | U9 | 6612J00010A | PPJ128A-1 PARKELEC A/V 2P MO |
| | | U25 | 0IZZTSZ304A | SIEMENS SDA555X SDIP-52 128K |
| | | U32 | 0IKE704200J | KIA7042AF SOT-89 TP 4.2V VOL |
| | | U61 | 0IFA111733A | RC1117S-33 SOT-223 TP 1A 3.3 |
| | | COIL & COREs | | |
| | | L1 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012 |
| | | L2 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012 |
| | | L3 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012 |
| | | L4 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012 |
| | | L5 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012 |
| | | L6 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012 |
| | | L7 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012 |
| | | L8 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012 |
| | | L9 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L10 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L11 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L12 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L15 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L16 | 0LC2000005D | "F1-B2012 332KJT,3.3 UH CERAT" |
| | | L28 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | L89 | 6210TCE001S | HU-1M2012-121 CERATECH 2012M |
| | | TRANSITORs | | |
| | | Q3 | 0TR390409AE | FAIRCHILD KST3904(LGEMTF) TP |
| | | Q4 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | Q5 | 0TR162309CA | KSC1623 TP SAMSUNG SOT23 NP |
| | | Q6 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | Q8 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | Q11 | 0TR390409AE | FAIRCHILD KST3904(LGEMTF) TP |
| | | Q12 | 0TR150509AD | KTA1505S-Y -T1 TP KEC SOT23 |
| | | Q13 | 0TR162309CA | KSC1623 TP SAMSUNG SOT23 NP |
| | | Q14 | 0TR150509AD | KTA1505S-Y -T1 TP KEC SOT23 |
| | | Q15 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | RESISTORs | | |
| | | R1 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R2 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |

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|---|---|---|---|---|
| | | R4 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R6 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R7 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R10 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R11 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R12 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R13 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R14 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R15 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R16 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R17 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R18 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R19 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R20 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R21 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R22 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R23 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R25 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R26 | 0RJ4700D677 | 470 OHM 1/10 W 5% 1608 R/TP |
| | | R27 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R28 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R29 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R30 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R33 | 0RJ5602D477 | 56K OHM 1/10 W 1% 1608 R/TP |
| | | R34 | 0RJ5602D477 | 56K OHM 1/10 W 1% 1608 R/TP |
| | | R35 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R36 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R37 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R38 | 0RJ2702D477 | 27K OHM 1/10 W 1% 1608 R/TP |
| | | R40 | 0RJ2702D477 | 27K OHM 1/10 W 1% 1608 R/TP |
| | | R41 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R42 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R43 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R44 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R45 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R46 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R49 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R50 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R51 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R52 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R57 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R58 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R59 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R60 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R61 | 0RJ2202D677 | 22K OHM 1/10 W 5% 1608 R/TP |
| | | R62 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R63 | 0RJ2002D677 | 20000 OHM 1/10 W 5% 1608 R/T |
| | | R64 | 0RJ2202D677 | 22K OHM 1/10 W 5% 1608 R/TP |
| | | R69 | 0RJ2002D677 | 20000 OHM 1/10 W 5% 1608 R/T |
| | | R70 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R72 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R74 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R76 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R77 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R78 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R79 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R80 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R81 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R82 | 0RJ2202D677 | 22K OHM 1/10 W 5% 1608 R/TP |
| | | R83 | 0RJ2202D677 | 22K OHM 1/10 W 5% 1608 R/TP |
| | | R84 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R85 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |

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|---|---|---|---|---|
| | | R86 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R87 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R88 | 0RH4300D622 | CHIP 430-J 1/10 W |
| | | R89 | 0RJ2402D677 | 24K OHM 1/10 W 5% 1608 R/TP |
| | | R90 | 0RJ2002D677 | 20000 OHM 1/10 W 5% 1608 R/T |
| | | R91 | 0RJ2201D677 | 2200 OHM 1/10 W 5% 1608 R/TP |
| | | R92 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R93 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R94 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R95 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R96 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R97 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R141 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R201 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R203 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R204 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R205 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R206 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R207 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R208 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R209 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R210 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R211 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R216 | 0RJ2002D677 | 20000 OHM 1/10 W 5% 1608 R/T |
| | | R217 | 0RJ2002D677 | 20000 OHM 1/10 W 5% 1608 R/T |
| | | R385 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R387 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R388 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R390 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R391 | 0RJ4700D677 | 470 OHM 1/10 W 5% 1608 R/TP |
| | | R417 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R418 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R419 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R493 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | OTHERs | | | |
| | | X3 | 6202TST003B | HC-49/SM5H KONY CHIP 18.432M |
| | | X4 | 6202TST001C | "SX-1, SUNNY SMD, 6.0MHZ ,50P" |
| | **CONTROL BOARD** | | | |
| | | U1 | 0IPRPON001A | "JLC1562BFEL ON SEMI 16P,EIAJ" |
| | | U2 | 0IPRPON001A | "JLC1562BFEL ON SEMI 16P,EIAJ" |
| | | U3 | 6726TV0001A | TSOP4838SO1 VISHAY 38.0KHZ H |
| | | C4 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C5 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | C6 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F" |
| | | C7 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F" |
| | | C8 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C9 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y |
| | | L1 | 6210TCE001H | HB-1T2012-301JT CERATEC 2012 |
| | | L2 | 6210TCE001H | HB-1T2012-301JT CERATEC 2012 |
| | | L3 | 6210TCE001H | HB-1T2012-301JT CERATEC 2012 |
| | | LED1 | 0DLBE0048AA | BRIGHT LED ELECTRONICS BL-HK |
| | | Q1 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | Q2 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | R1 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R2 | 0RJ2200D677 | 220 OHM 1/10 W 5% 1608 R/TP |
| | | R3 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R4 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R5 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |

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|---|---|---|---|---|
| | | R6 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R7 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R8 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R9 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R10 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R11 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R12 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R13 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R14 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R17 | 0RJ2200D677 | 220 OHM 1/10 W 5% 1608 R/TP |
| | | R18 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R19 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R20 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R21 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R22 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | S10 | 6600TR1002A | SKQGACE010 J-ALPS NON 12V 50 |
| | | ZD1 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD2 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD3 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD4 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD5 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD6 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD7 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD8 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD9 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD10 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD11 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD12 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD15 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD17 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | **INTERFACE BOARD** | | | |
| | | C1 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | C2 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | C3 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | C4 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | C5 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | C6 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | C7 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | C8 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | C9 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | C10 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | C11 | 0CE337CH638 | 330UF SHL 25V M FM5 TP5 |
| | | C15 | 0CE337CH638 | 330UF SHL 25V M FM5 TP5 |
| | | D1 | 0DS113309AA | 1SS133 TP ROHM KOREA DO34 90 |
| | | D2 | 0DS113309AA | 1SS133 TP ROHM KOREA DO34 90 |
| | | L1 | 125-155K | BFS3550A0FG SAMWHA 3.5*5.0MM |
| | | L2 | 125-155K | BFS3550A0FG SAMWHA 3.5*5.0MM |
| | | L3 | 125-155K | BFS3550A0FG SAMWHA 3.5*5.0MM |
| | | L4 | 125-155K | BFS3550A0FG SAMWHA 3.5*5.0MM |
| | | L5 | 125-155K | BFS3550A0FG SAMWHA 3.5*5.0MM |
| | | L6 | 125-155K | BFS3550A0FG SAMWHA 3.5*5.0MM |
| | | L7 | 150-235C | DR8*11 100UH 0.4MM 53.5T |
| | | L8 | 6140TBZ016H | "- - DR10*7,0.5MM 22UH,L2320A" |
| | | L9 | 6140TBZ016H | "- - DR10*7,0.5MM 22UH,L2320A" |
| | | L10 | 6140TBZ016H | "- - DR10*7,0.5MM 22UH,L2320A" |
| | | LED1 | 0DLBE0059AA | BRIGHT LED ELECTRONICS BL-BB |
| | | LED2 | 0DLBE0059AA | BRIGHT LED ELECTRONICS BL-BB |
| | | Q1 | 0TR114009AB | DTC114ES TP ROHM-K SPT NPN |
| | | Q3 | 0TR102709AA | KTC1027-Y(KTC2235) TP KEC TO |
| | | R1 | 0RD5600Q609 | 560 1/4W(3 5% TA52 |

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DATE: 2003. 10. 24.

| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | R2 | 0RD5600Q609 | 560 1/4W(3 5% TA52 |
| | | R3 | 0RD3300Q509 | 330 OHM 1/4 W (3.4) 2% TA52 |
| | | R5 | 0RD4300Q609 | 430 OHM 1/4 W(3.4) 5.00% TA5 |
| | | R6 | 0RD4300Q609 | 430 OHM 1/4 W(3.4) 5.00% TA5 |
| | | R8 | 0RD1001Q609 | 1K 1/4W(3 5% TA52 |
| | | R9 | 0RN2001F409 | 2K OHM 1/6 W 1.00% TA52 |
| | | R10 | 0RN2001F409 | 2K OHM 1/6 W 1.00% TA52 |
| | | R11 | 0RD2202Q609 | 22K 1/4W(3 5% TA52 |
| | | R12 | 0RD1201Q609 | 1.20K 1/4W(3 5% TA52 |
| | | R13 | 0RN2001F409 | 2K OHM 1/6 W 1.00% TA52 |
| | | R15 | 0RD2001A609 | 2.0K OHM 1/2 W (7.0) 5% TA52 |
| | | R16 | 0RD0101A609 | 1 OHM 1/2 W (7.0) 5% TA52 |
| | | TH1 | 6322TB1031A | TC310H39GBUEP THERMO. 10K OH |
| | | U1 | 0ISS358000C | "KA358 FAIRCHILD 8P,DIP ST OP" |
| | | **ETC BOARD** | | |
| | | C101 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C103 | 0CH6100K116 | 10PF 50V D NP0 2012 R/TP |
| | | C104 | 0CH6100K116 | 10PF 50V D NP0 2012 R/TP |
| | | C105 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C107 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C110 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C112 | 0CH3105F946 | 1UF 16V Z F 2012 R/TP |
| | | C113 | 0CH3105F946 | 1UF 16V Z F 2012 R/TP |
| | | C114 | 0CH3105F946 | 1UF 16V Z F 2012 R/TP |
| | | C115 | 0CH3105F946 | 1UF 16V Z F 2012 R/TP |
| | | C122 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C123 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C124 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | D101 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D102 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | D103 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 30 |
| | | FB101 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | FB102 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | Q102 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - |
| | | Q103 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - |
| | | Q104 | 0TR102009AJ | KRC102S NPN SOT-23 TP KEC |
| | | R100 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R102 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R103 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R104 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R105 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R106 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R107 | 0RH2703D622 | 270K 1/10W 5 D.R/TP |
| | | R108 | 0RH0102D622 | 10 1/10W 5 D.R/TP |
| | | R109 | 0RH0102D622 | 10 1/10W 5 D.R/TP |
| | | R110 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R111 | 0RH0000D622 | 0 1/10W P-TYPE TAPPING |
| | | R112 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R113 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R114 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R121 | 0RH0102D622 | 10 1/10W 5 D.R/TP |
| | | R122 | 0RH0102D622 | 10 1/10W 5 D.R/TP |
| | | R125 | 0RH1502D622 | 15K 1/10W 5 D.R/TP |
| | | R126 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | ZD101 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 |
| | | ZD102 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 |
| | | ZD103 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD104 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | ZD105 | 0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323 |
| | | C106 | 0CE106CK618 | "10UF SHL,SD 50V M FL TP 5" |

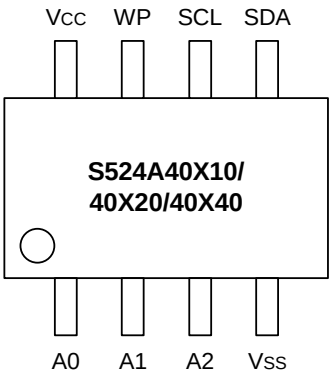
DATE: 2003. 10. 24.

| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | C108 | 0CE107CF638 | "100UF SHL,SD 16V M FM5 TP 5" |
| | | C111 | 0CE107CF638 | "100UF SHL,SD 16V M FM5 TP 5" |
| | | P101 | 6630TGA004A | DC-1503FAP DAE HUNG 15P 2.29 |
| | | TU101 | 6700NF0004C | TAFH-S313D LG INOTEK PAL FS |

http://www.wjel.net

# PIN CONFIGURATION

## S524A40X10/40X20/40X40




**NOTE:** The S524A40X10/40X20/40X40 is available in 8-pin DIP, SOP, and TSSOP package.

**Figure 2-2. Pin Assignment Diagram**

**Table 2-1. S524A40X10/40X20/40X40 Pin Descriptions**

| Name | Type | Description | Circuit Type |
|---|---|---|---|
| A0, A1, A2 | Input | Input pins for device address selection. To configure a device address, these pins should be connected to the $V_{CC}$ or $V_{SS}$ of the device. These pins are internally pulled down to $V_{SS}$. | 1 |
| $V_{SS}$ | — | Ground pin. | — |
| SDA | I/O | Bi-directional data pin for the $I^2C$-bus serial data interface. Schmitt trigger input and open-drain output. An external pull-up resistor must be connected to $V_{CC}$. Typical values for this pull-up resistor are 4.7 kΩ (100 kHz) and 1 kΩ (400 kHz). | 3 |
| SCL | Input | Schmitt trigger input pin for serial clock input. | 2 |
| WP | Input | Input pin for hardware write protection control. If you tie this pin to $V_{CC}$, the write function is disabled to protect previously written data in the entire memory; if you tie it to $V_{SS}$, the write function is enabled. This pin is internally pulled down to $V_{SS}$. | 1 |
| $V_{CC}$ | — | Single power supply. | — |

**NOTE**: See the following page for diagrams of pin circuit types 1, 2, and 3.

http://www.wiel.net

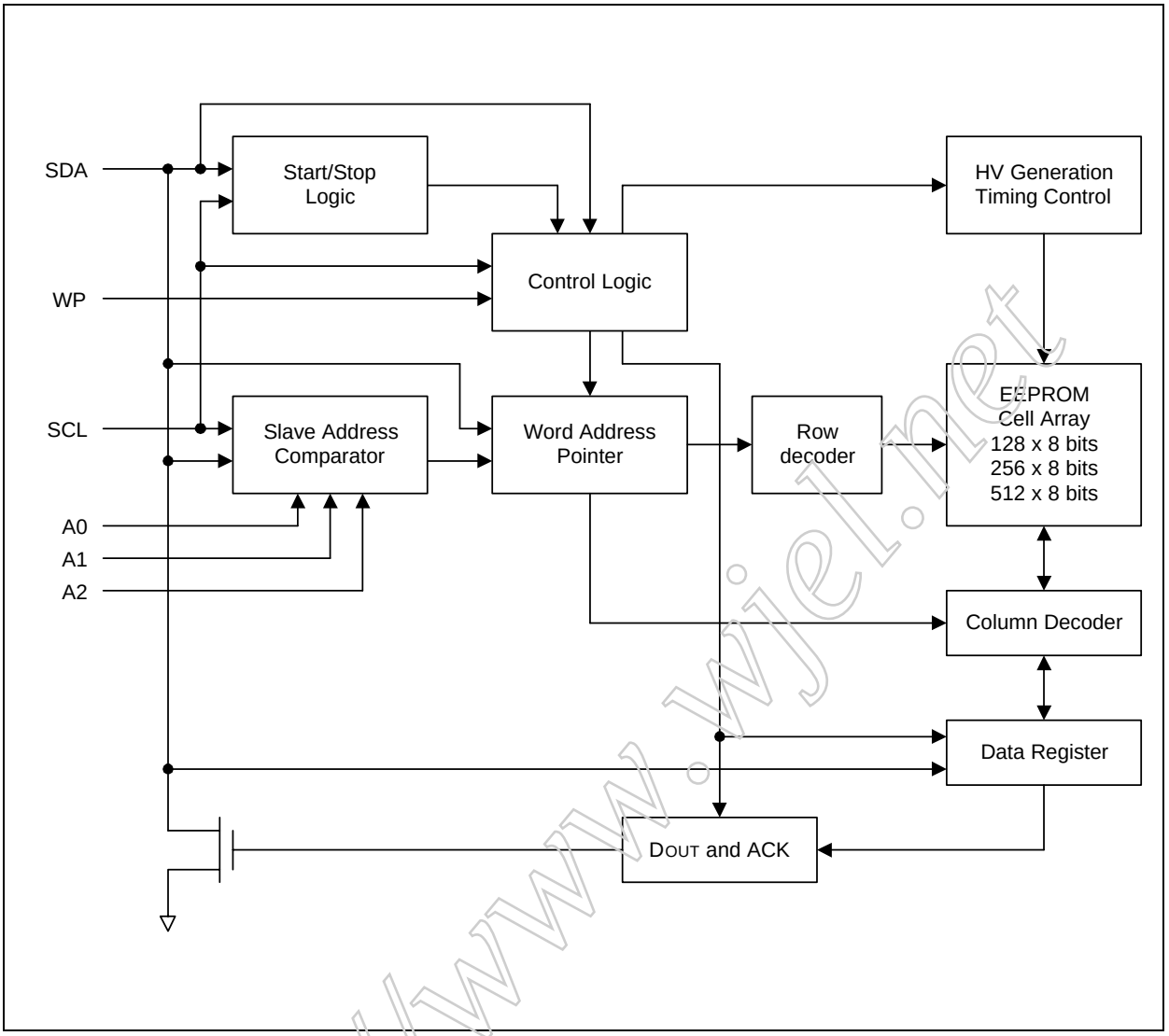
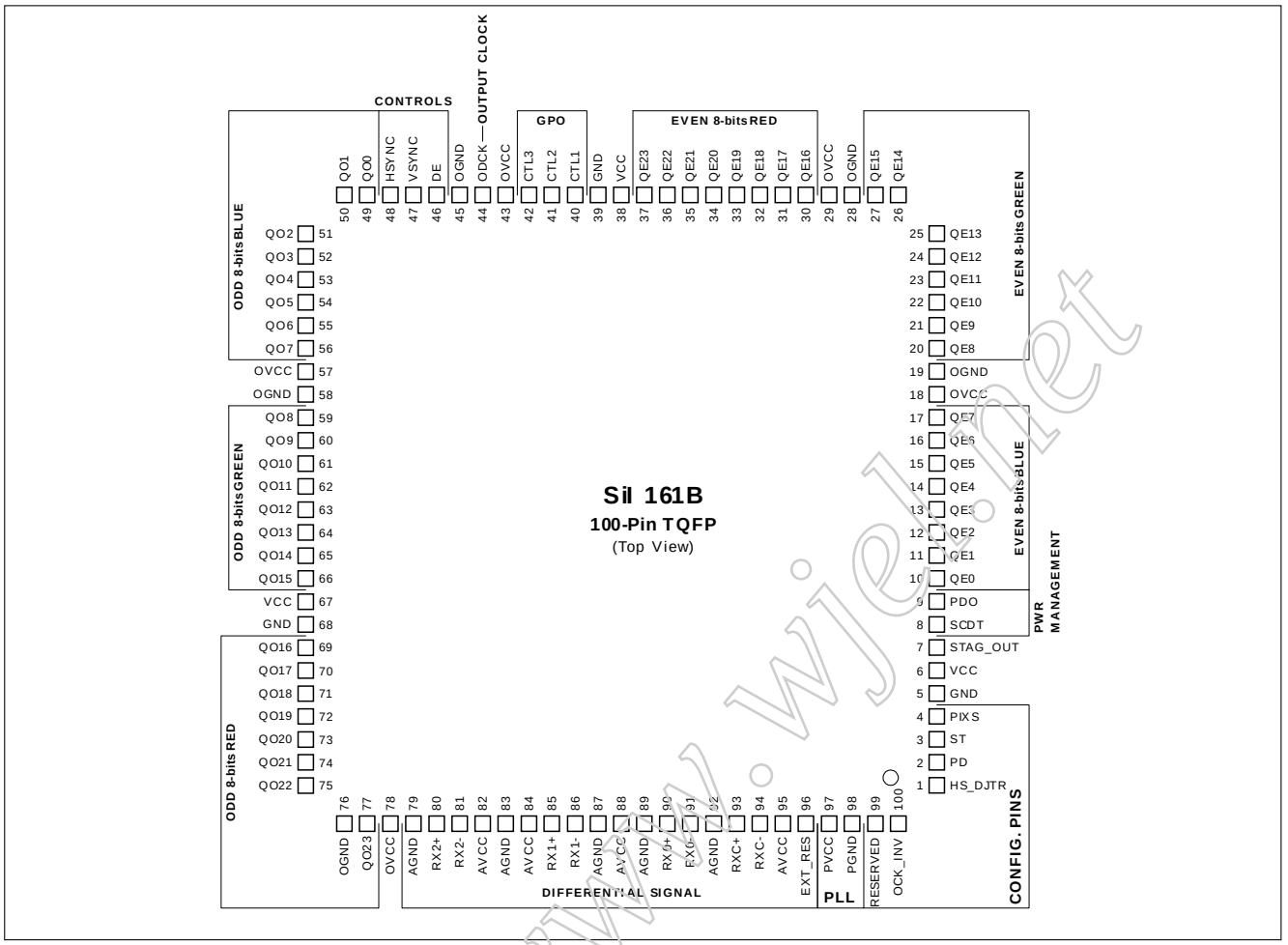
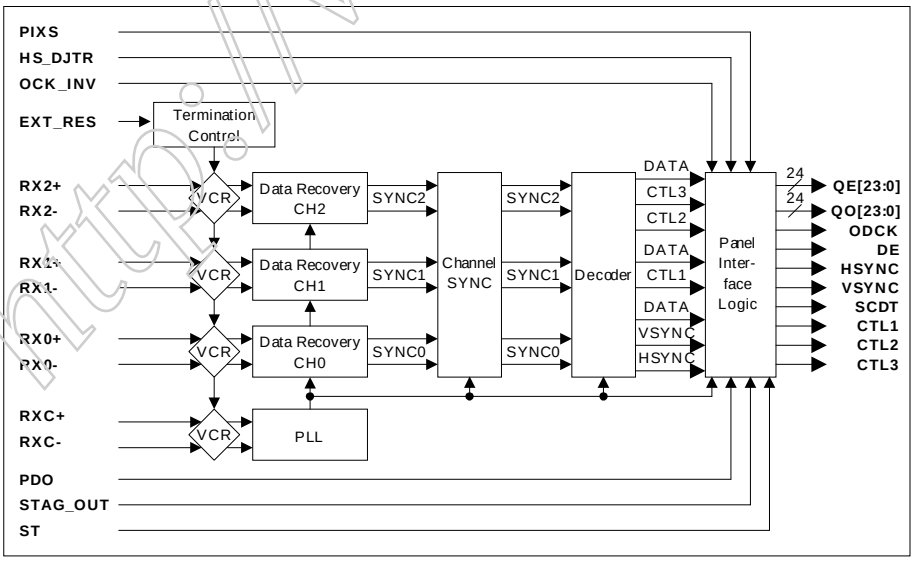



**Figure 2-1. S524A40X10/40X20/40X40 Block Diagram**

http://www.wjel.net



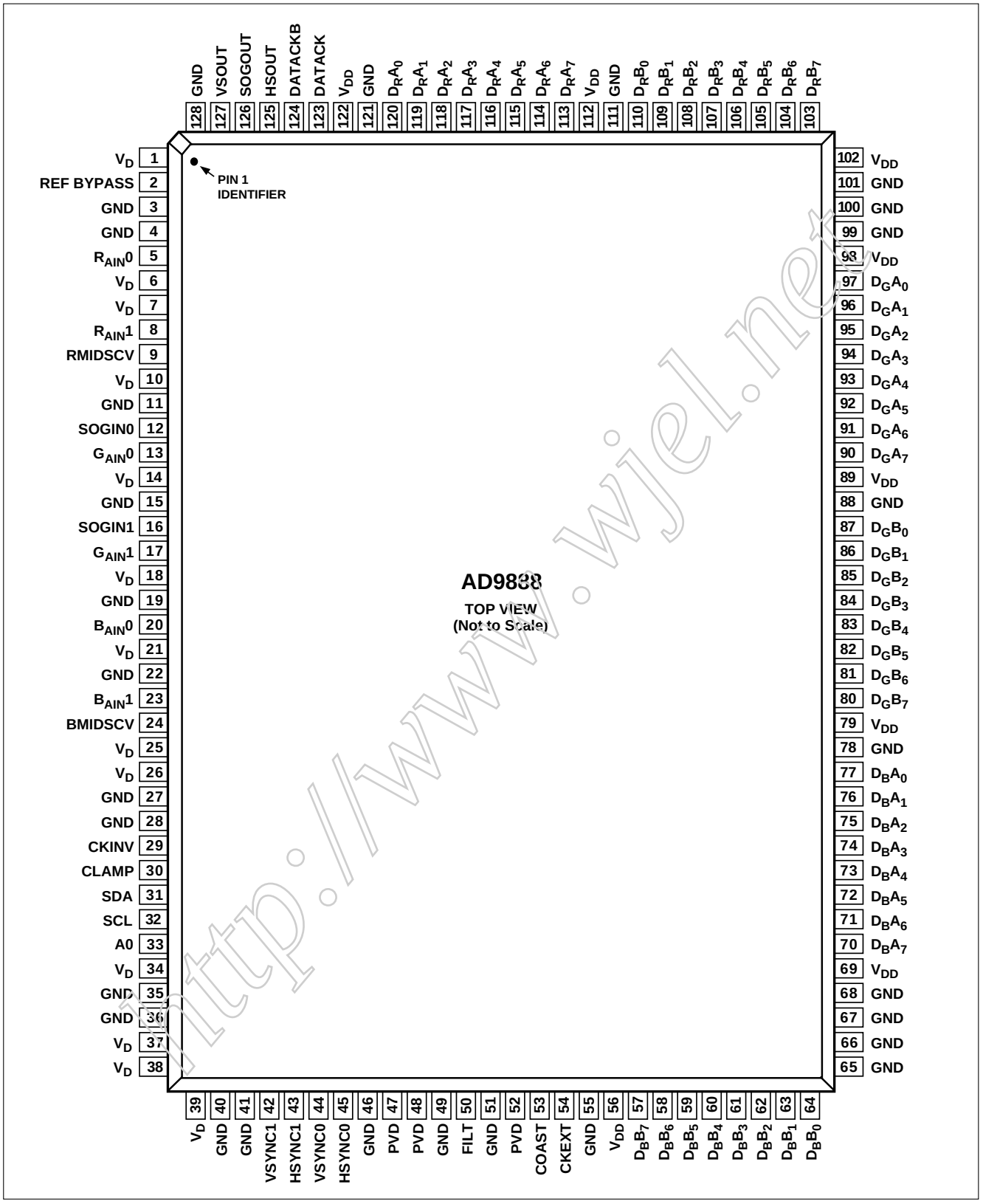

**PIN CONFIGURATION**




**BLOCK DIAGRAM**

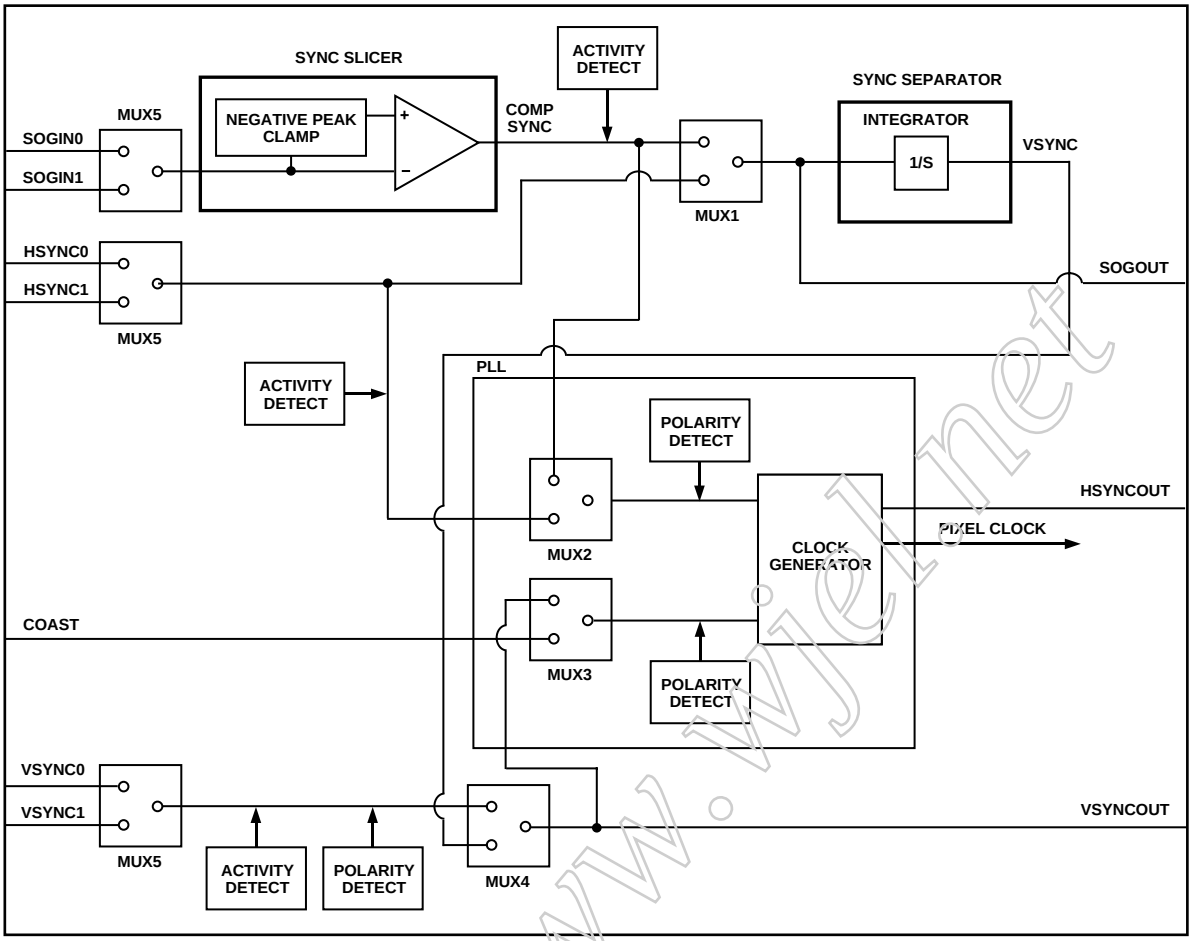
http://www.wie.net

## AD988KS-205 ANALOG




**PIN CONFIGURATION**

http://www.wjel.net

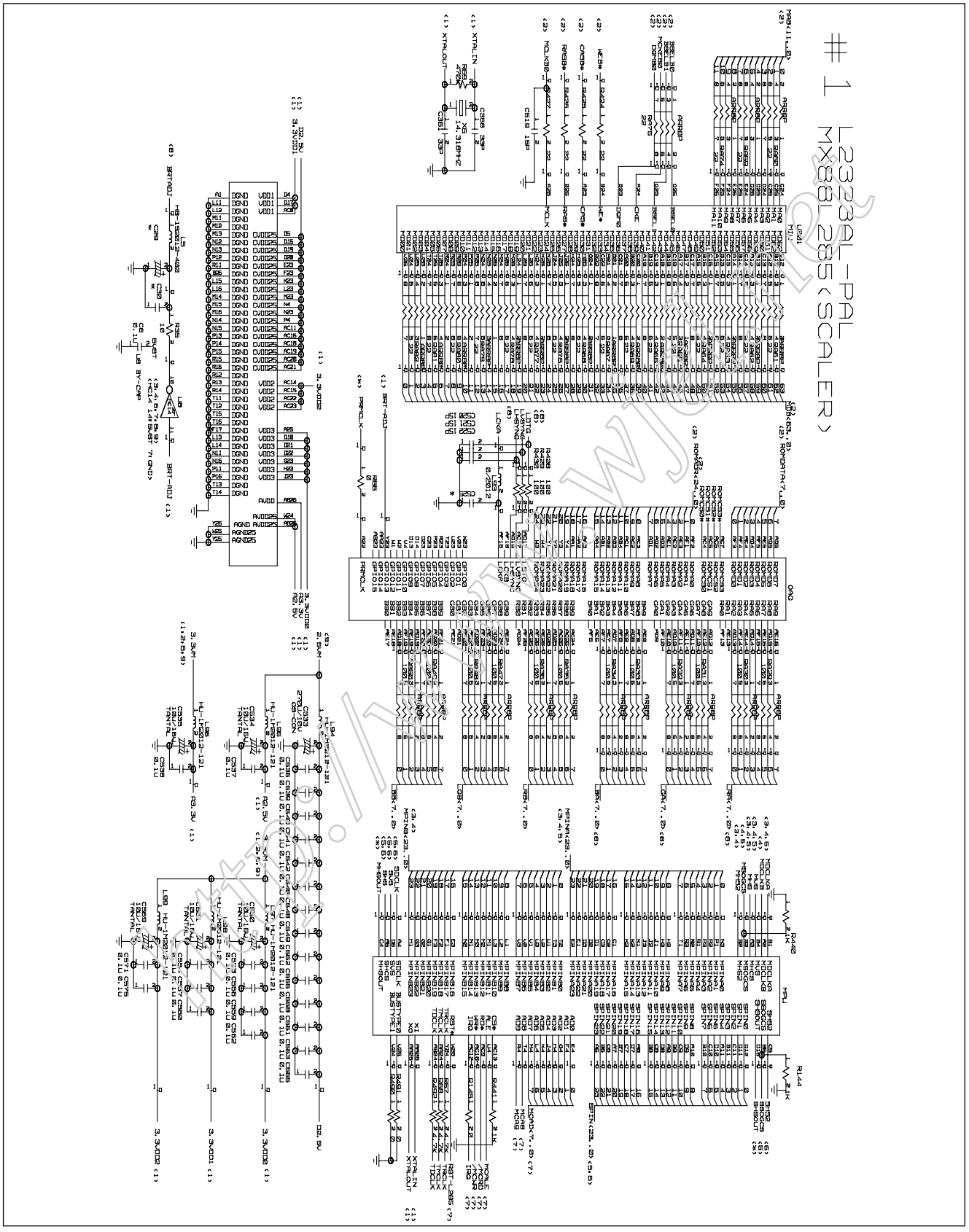



**BLOCK DIAGRAM**

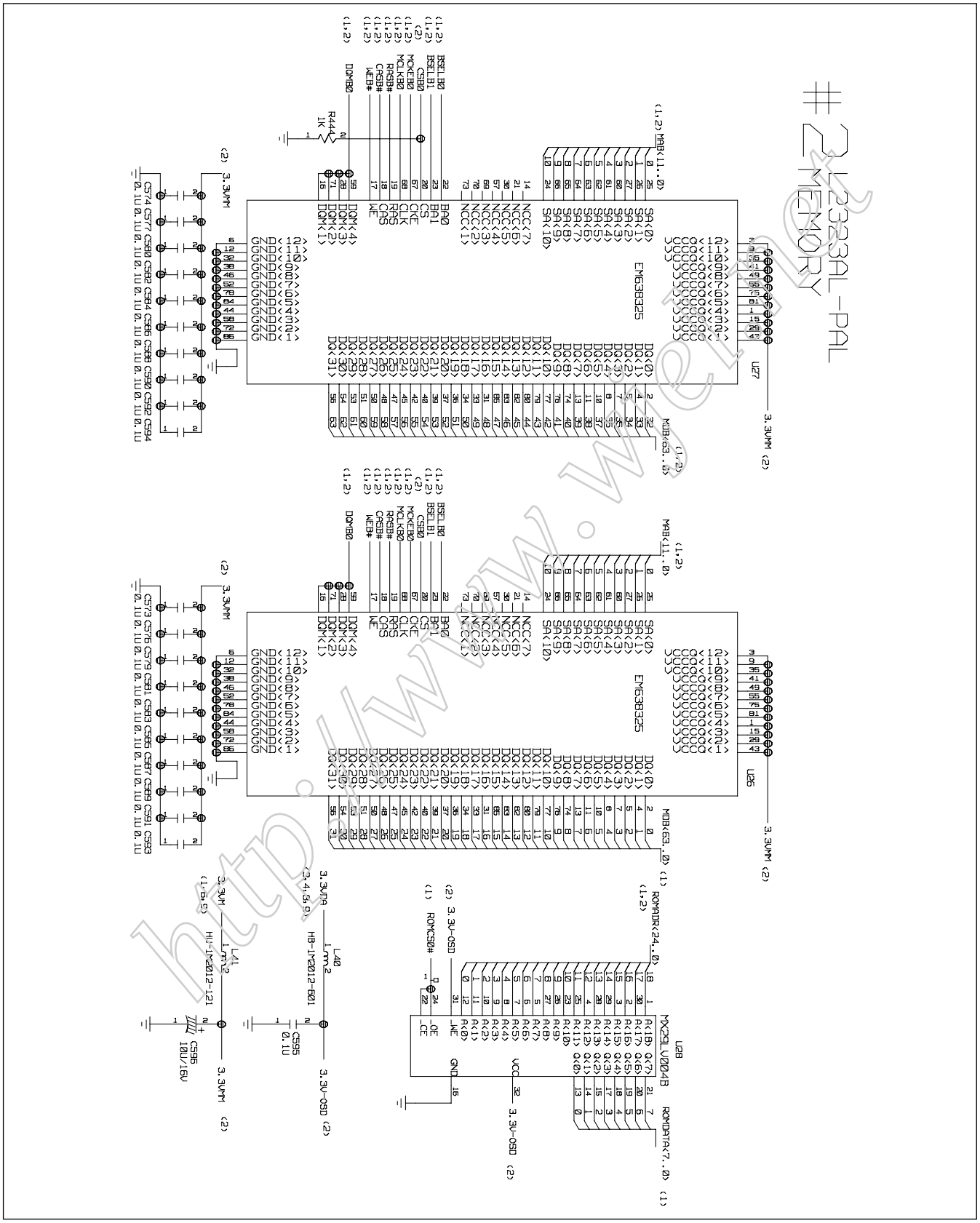
http://www.wjet.net

# SCHEMATIC DIAGRAM

## 1. SCALER

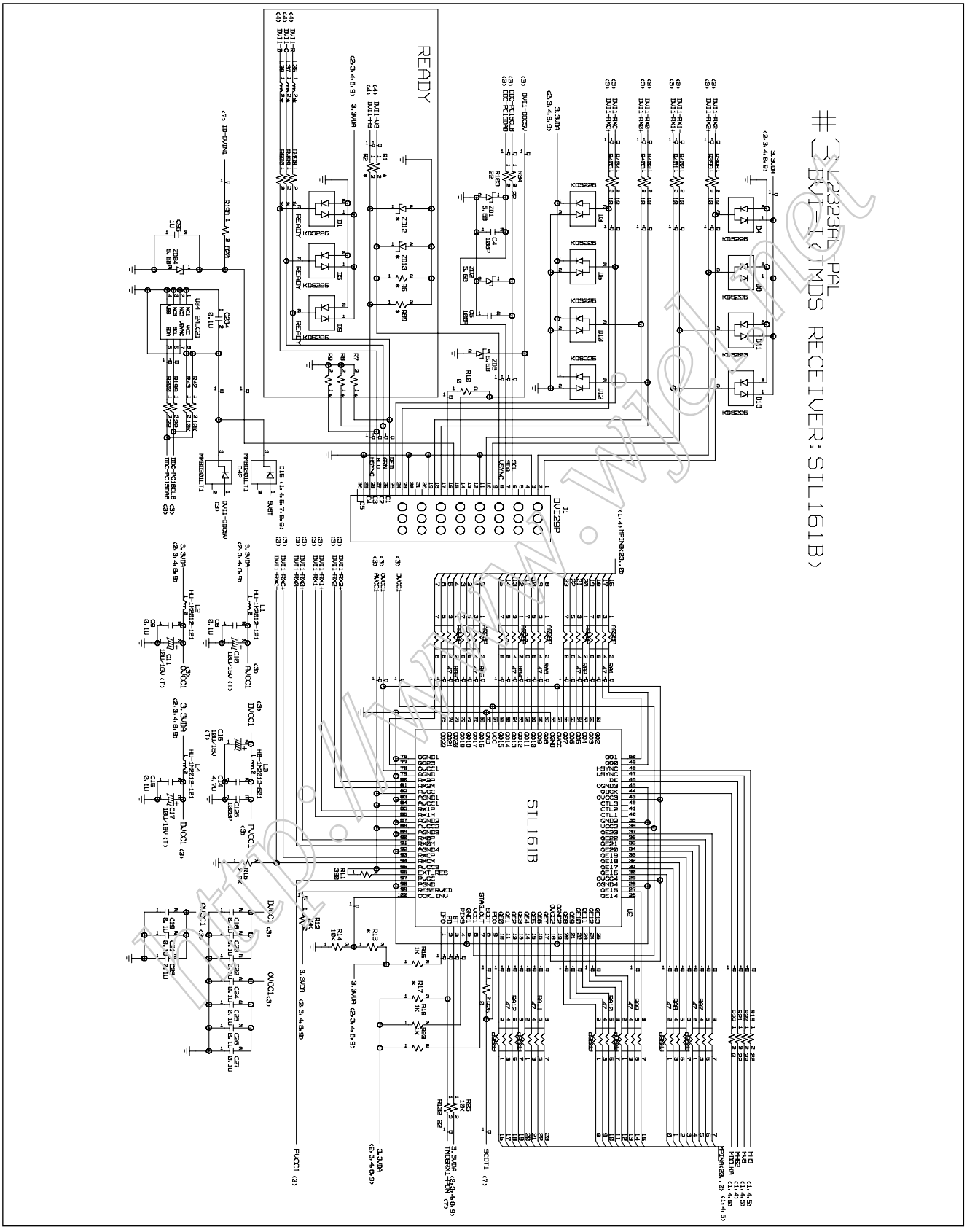


## 2. MEMORY



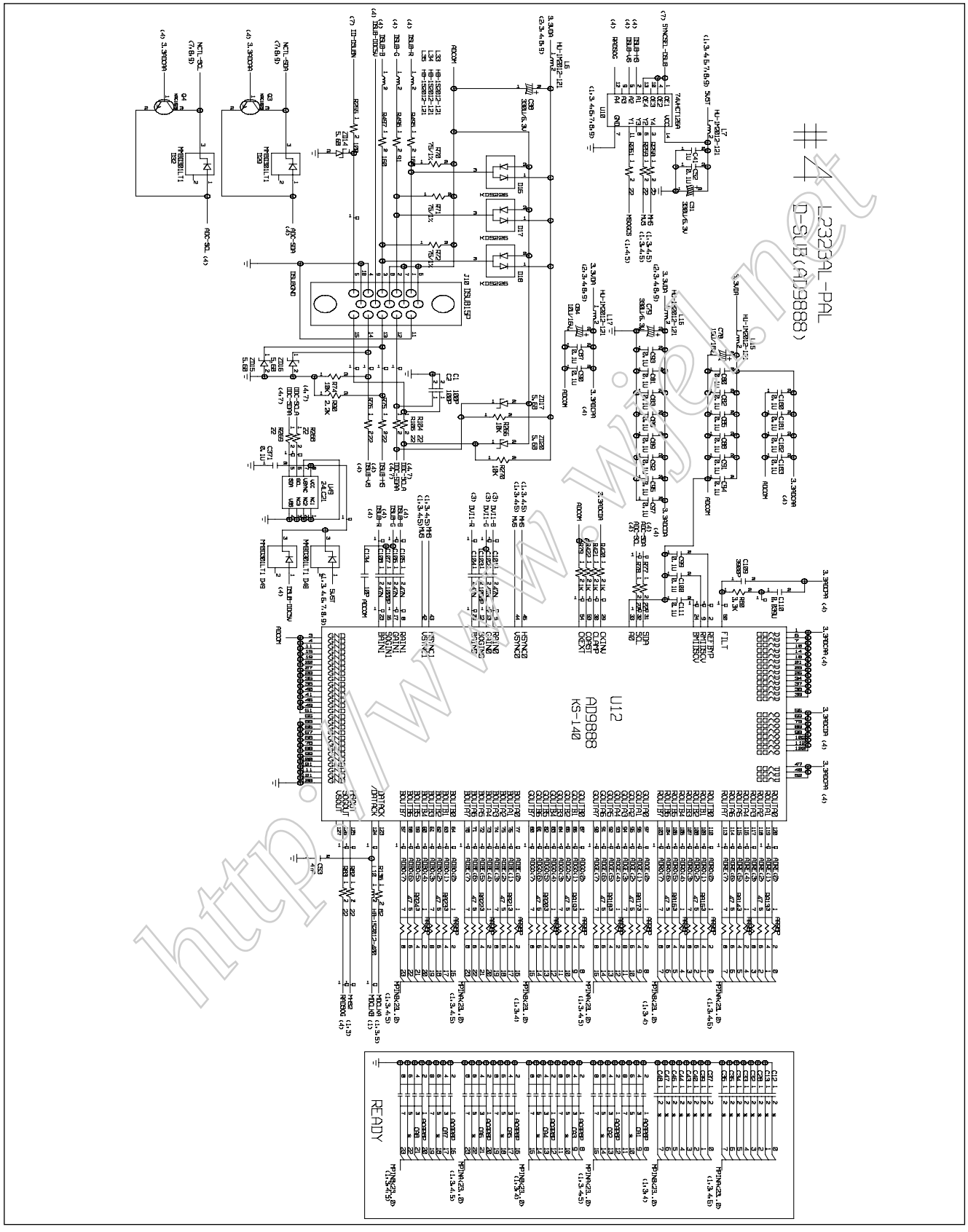

http://www.weimei.net

## 3. DVI-I



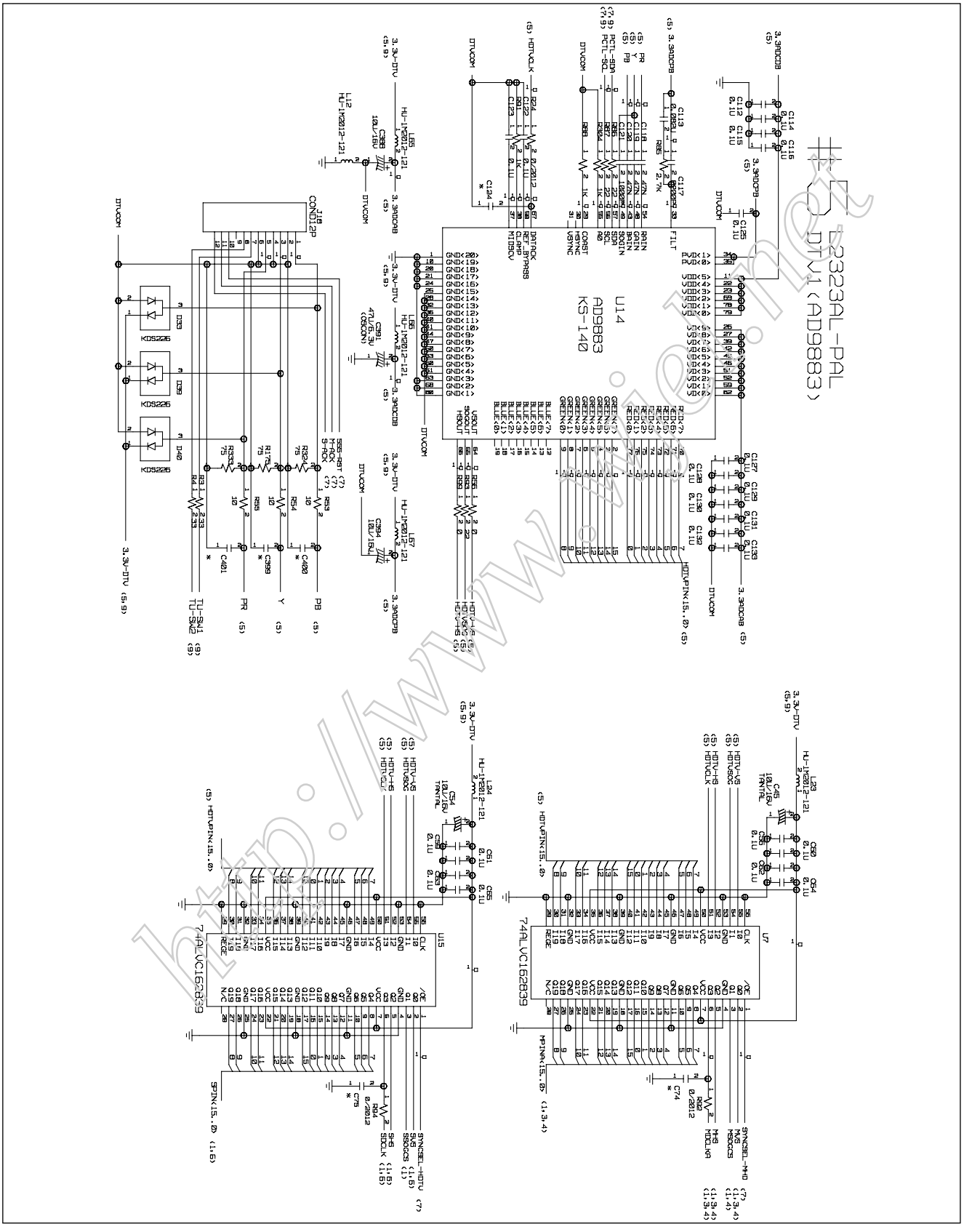

http://www.wiring

## 4. D-SUB



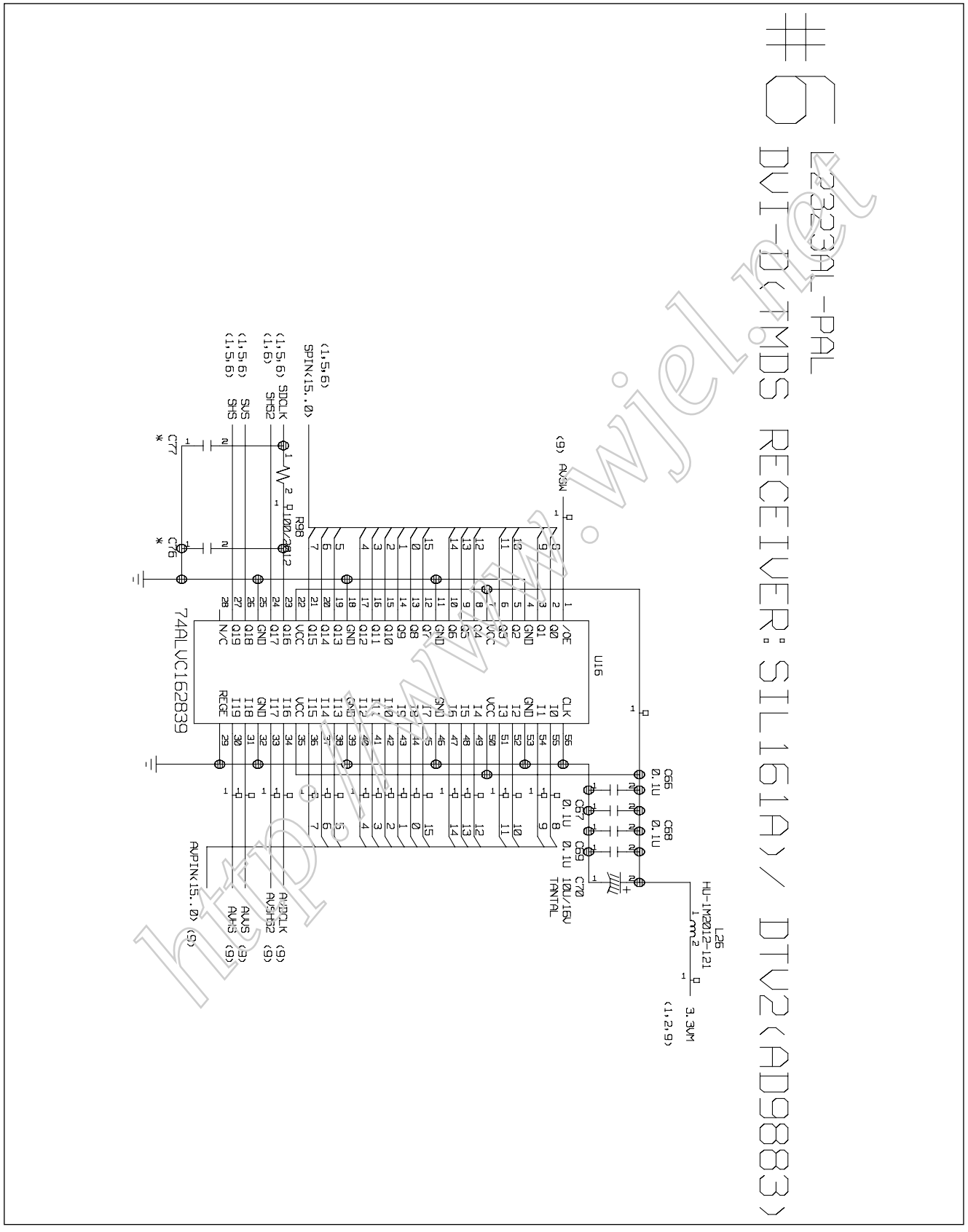

http://www.wiel.net

## 5. DTV1(ADD9883)

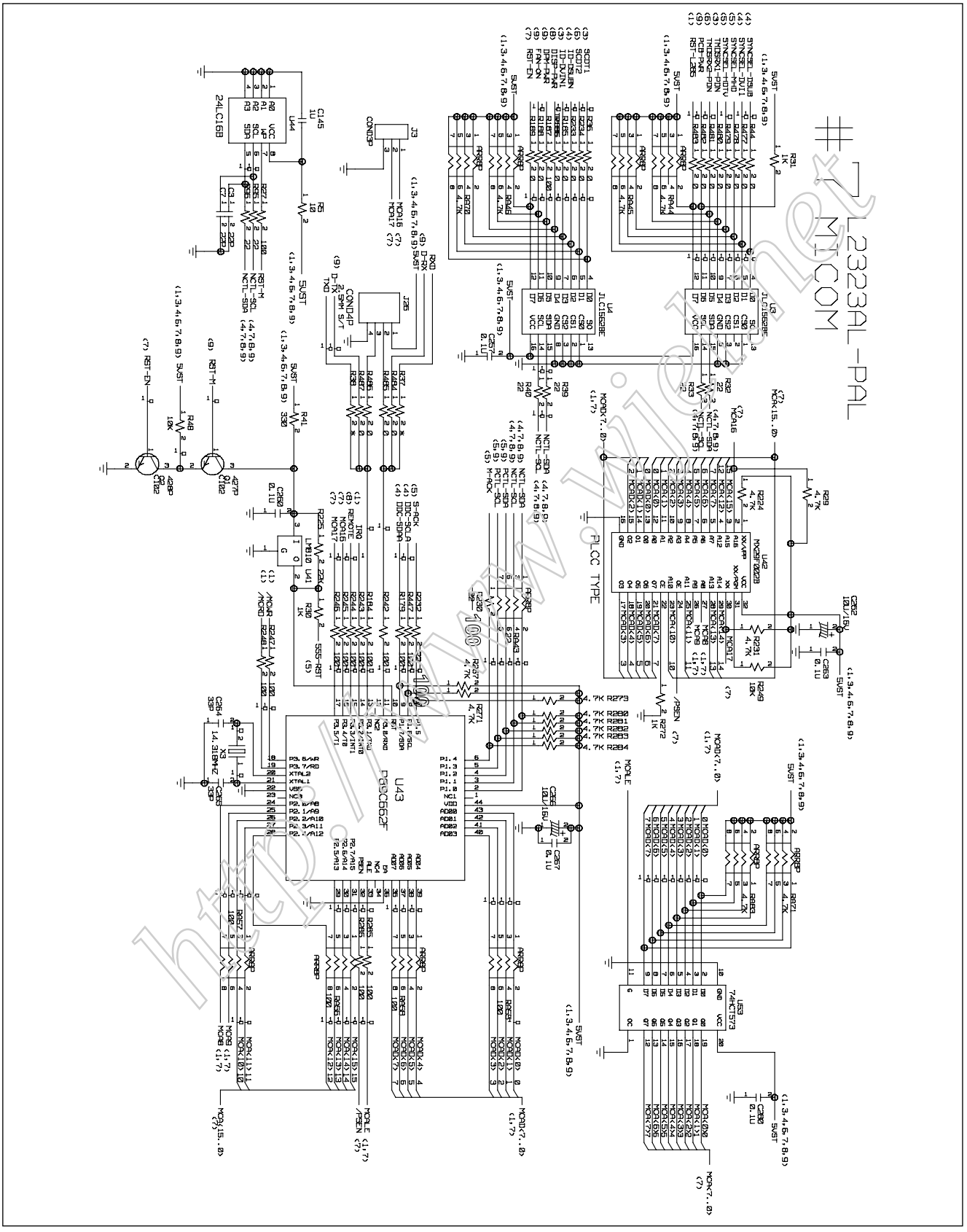



http://www.xie.info

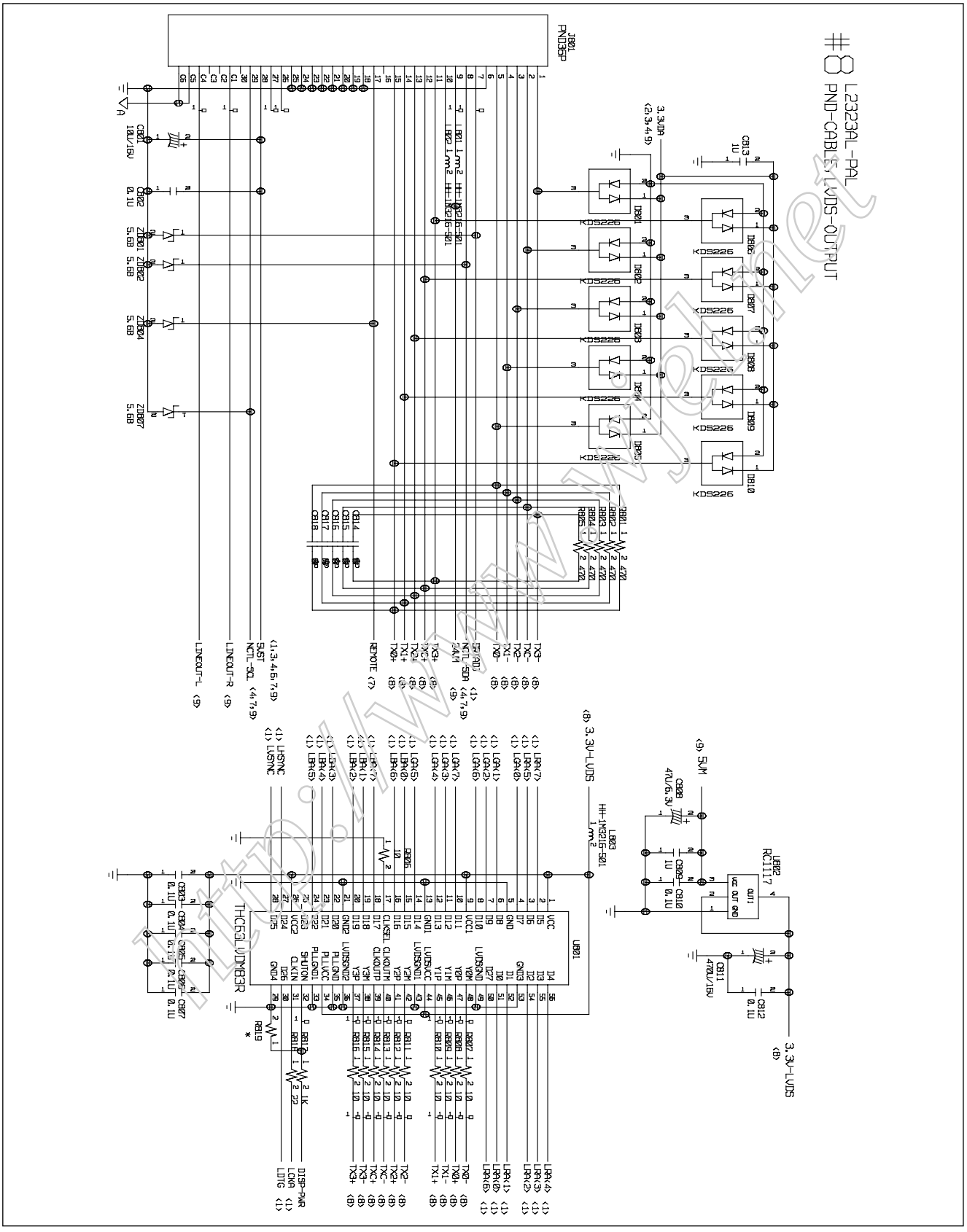
## 6. DVI-D/DTV2


#6 (2323A)-PAL
DVI-D(TMDS RECEIVER: SIL161A)/ DTV2(AD9883)
74ALVC162839
U16
SPIN<15..0>
AVPIN<15..0>
AVSW
SDCLK
SHS2
SVS
SHS
AVSDCLK
AVSHS2
AVSVS
AVSHS
3.3VM
HU-1M2012-121
L26
C66 0.1U
C67 0.1U
C68 0.1U
C69 0.1U
C70 10U/16V TANTAL
C77
C76
R96 100/2012
http://www.wjel.net

## 7. MICOM

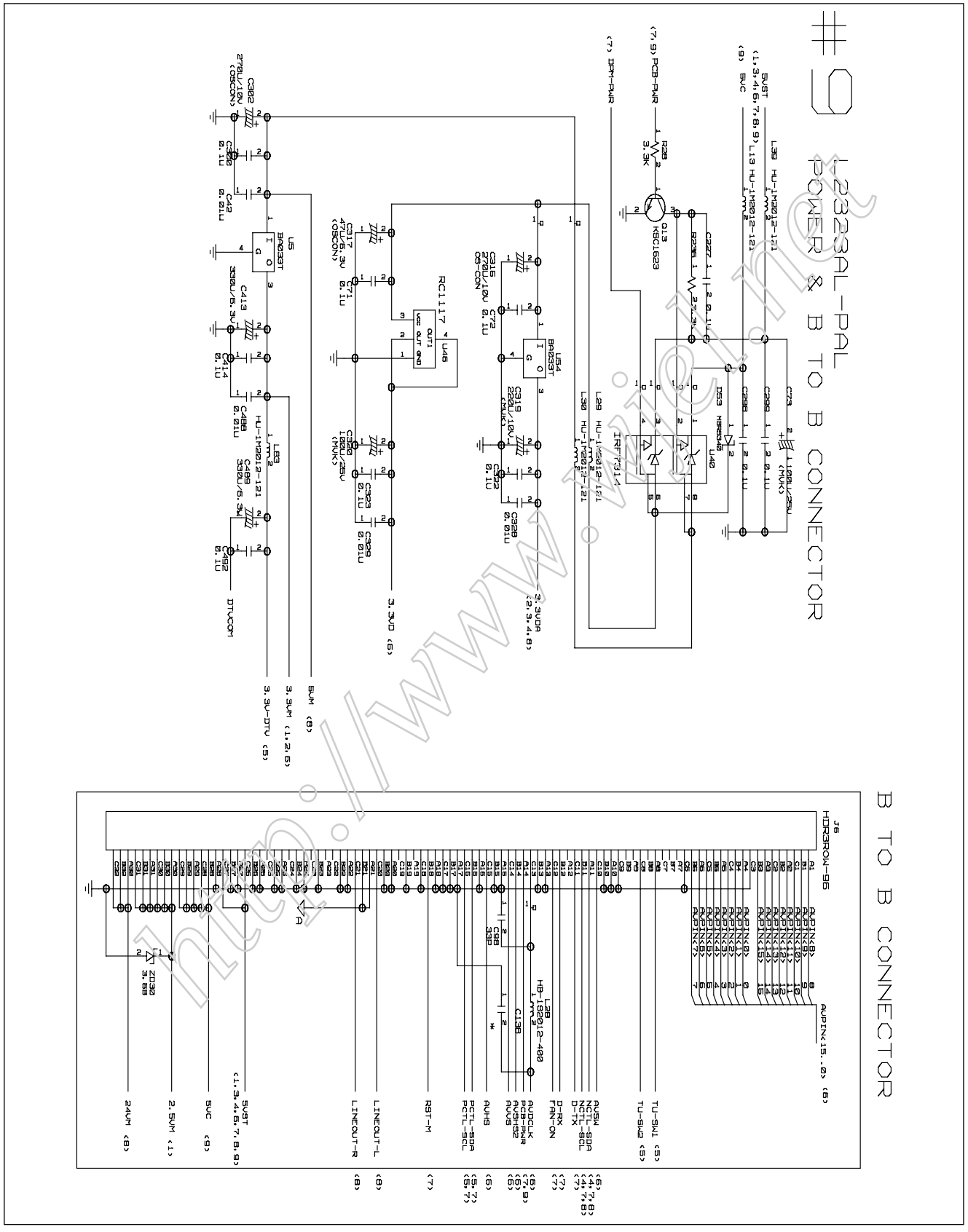

#7 L2323AL-PAL MICOM
PLCC TYPE
U43
P89C662F
U42
MX29F002B
U41
74HCT573
U44
24LC16B
U4
JLC1562BE
U3
JLC1562BE
J3
J26
CON3P
CON4P
X3
14.31818MHZ
Q1
C1815
Q2
C1815
http://www.wiznet

## 8. PND CABLE, LVDS-OUPUT



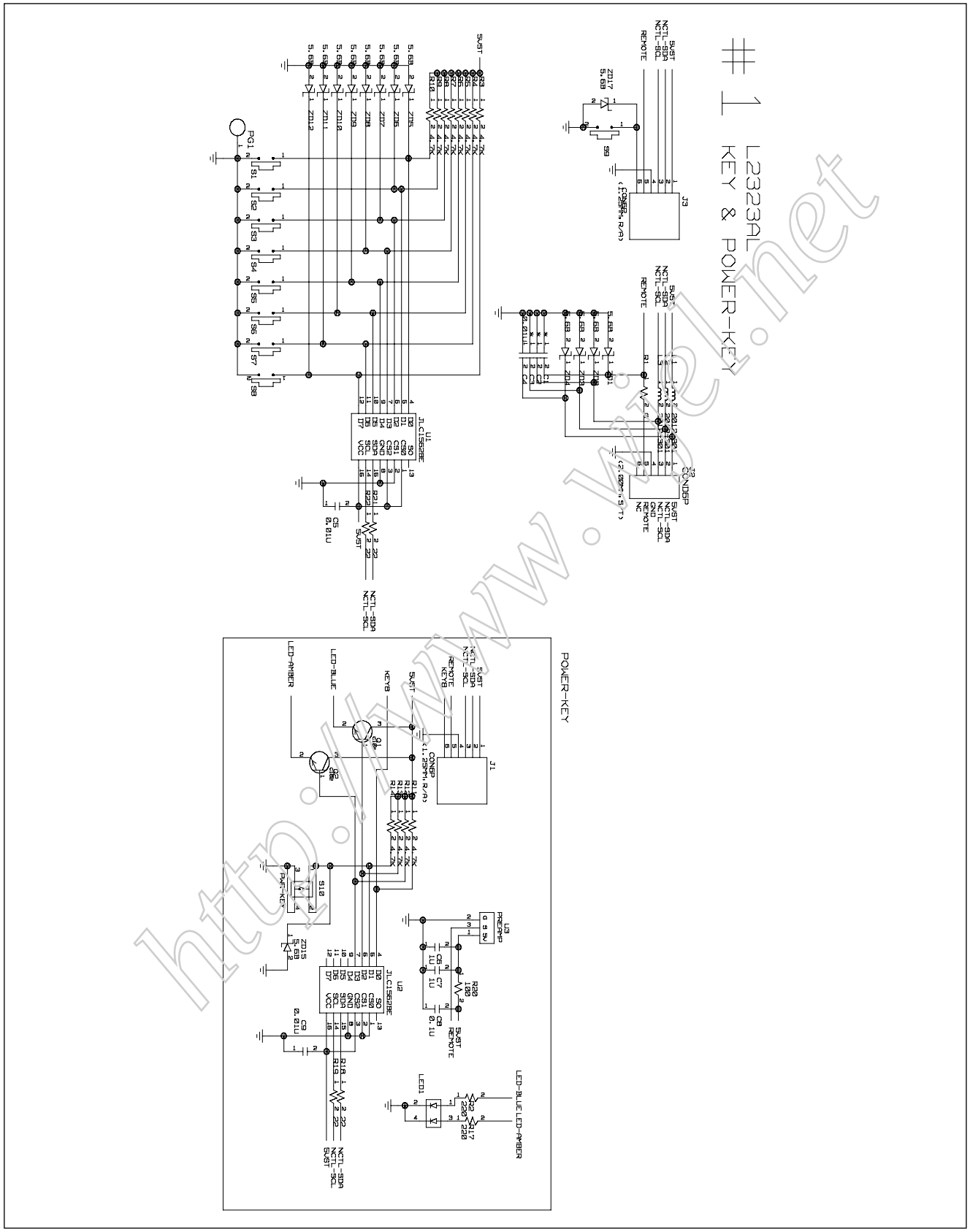

http://www.wiring.net

## 9. POWER & B TO B CONNECTOR



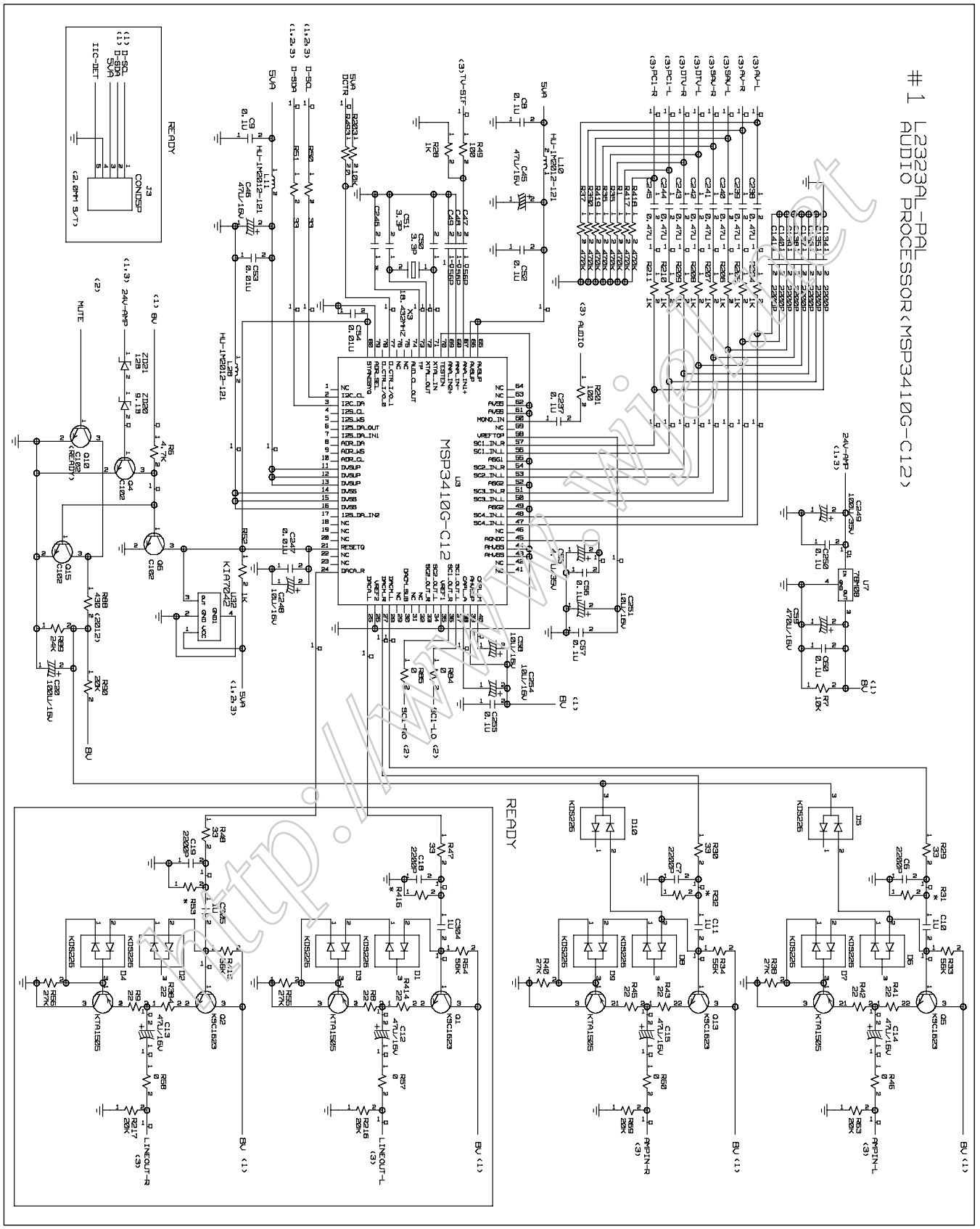

http://www.wiet.net

## 10. KEY & POWER-KEY



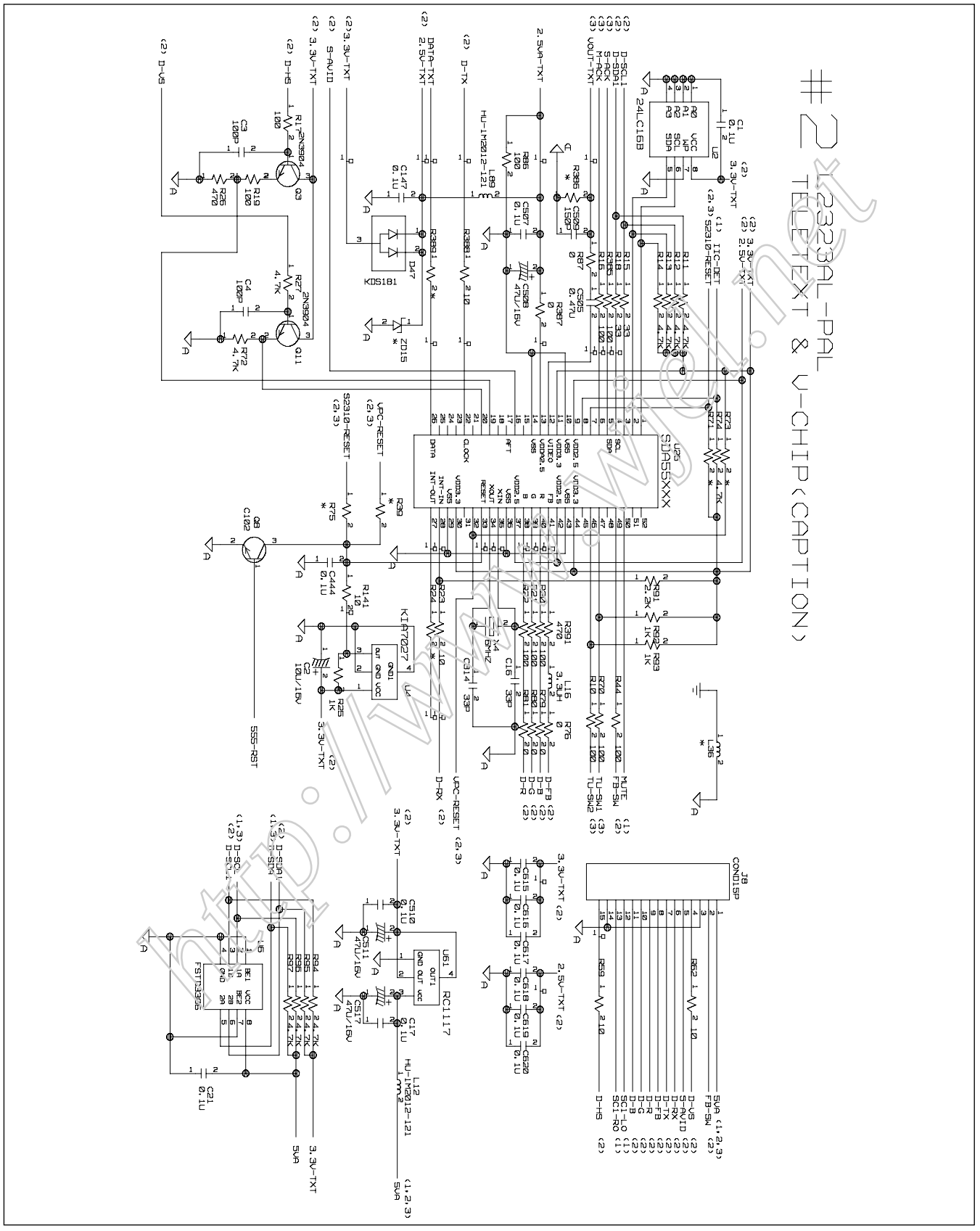

http://www.wiel.net

## 11. AUDIO PROCESSOR



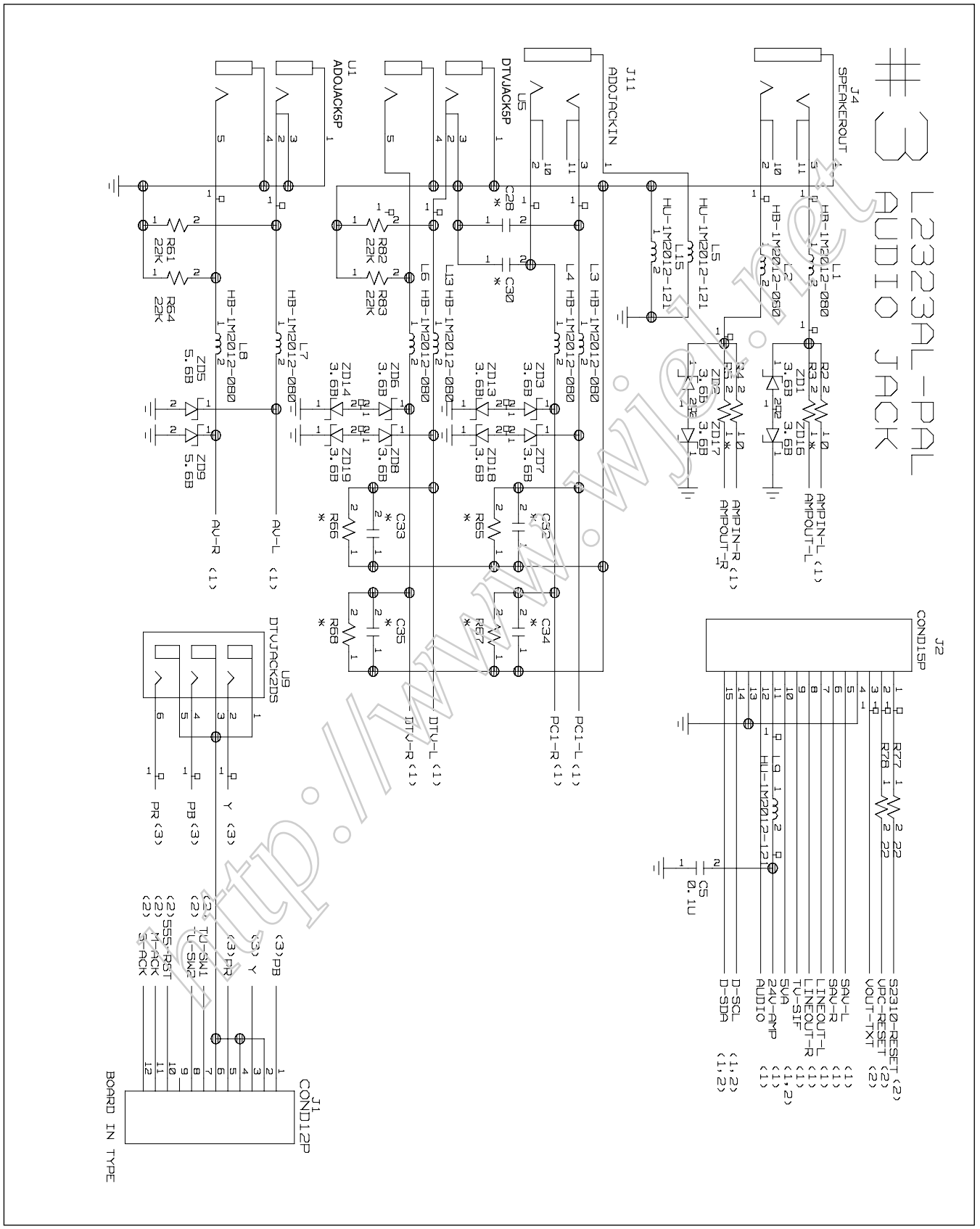

http://www.wiotet

## 12. TELETEXT & V-CHIP



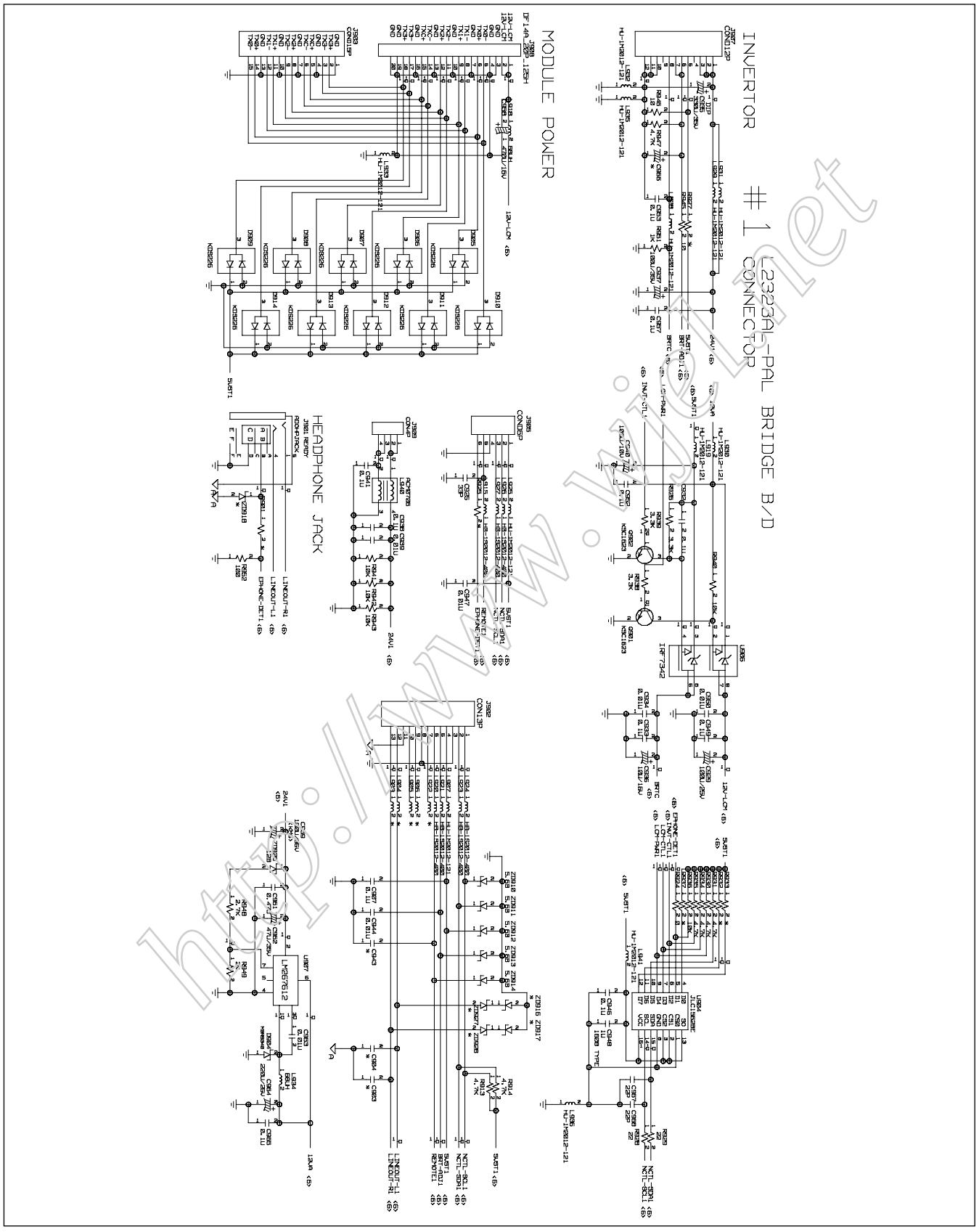

http://www.wiet.net

## 13. AUDIO JACK



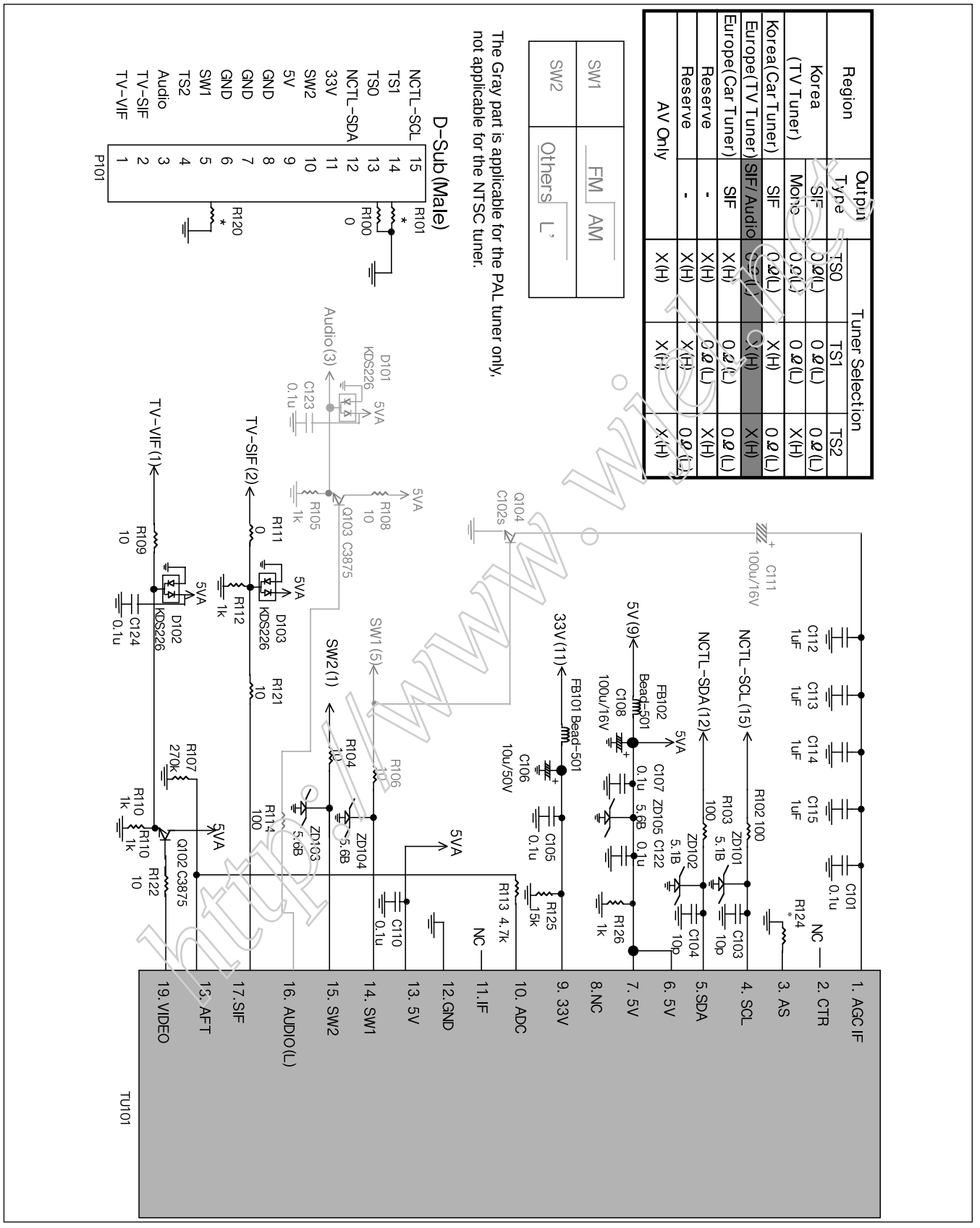

http://www.wiki.net

## 14. CONNECTOR




http://www.vinet

## 15. TUNER



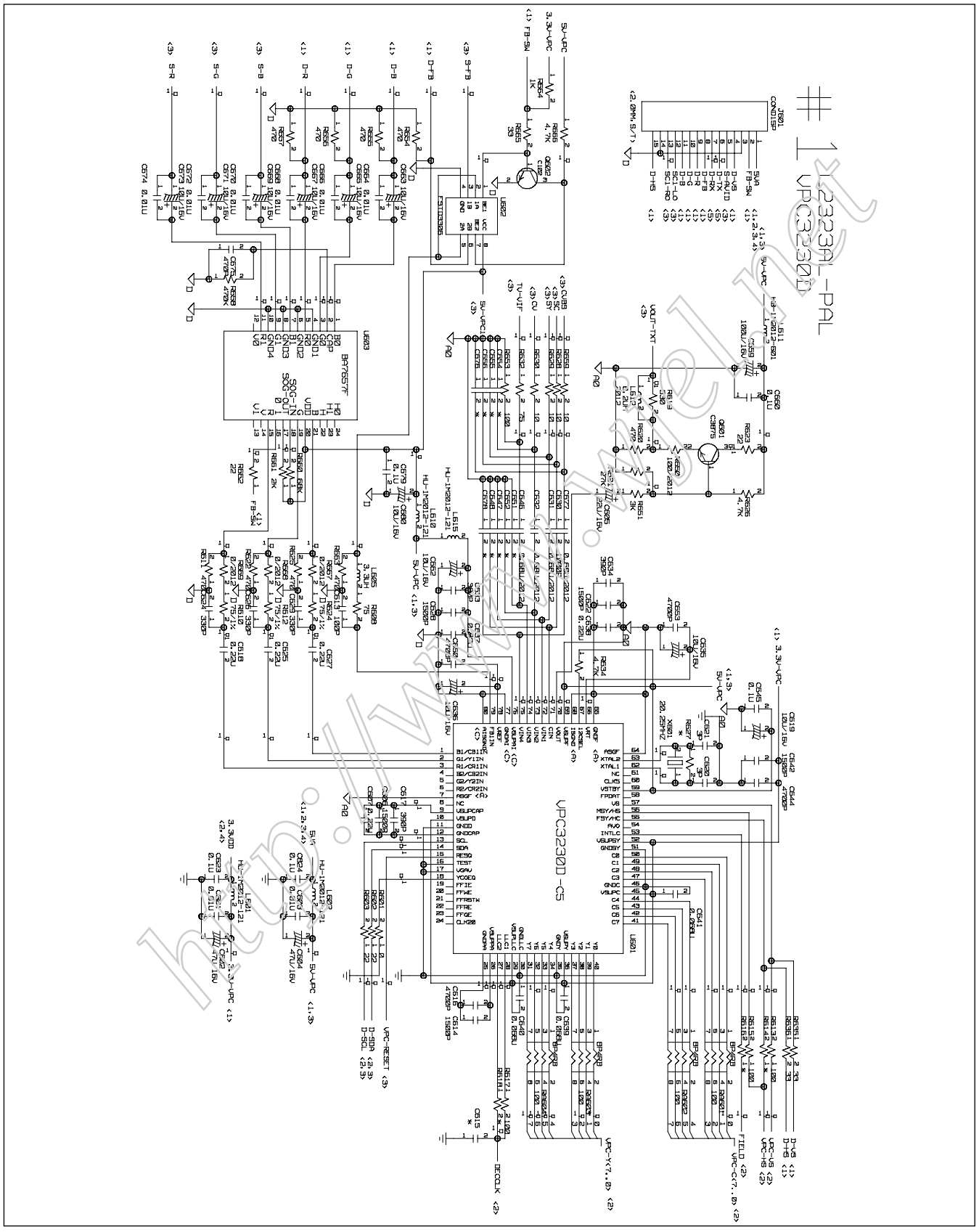
| Region | | Output Type | Tuner Selection | | | |
|---|---|---|---|---|---|---|
| | | | TS0 | TS1 | TS2 | |
| Korea (TV Tuner) | | SIF | 0 Ω (L) | 0 Ω (L) | 0 Ω (L) | |
| | | Mono | 0 Ω (L) | 0 Ω (L) | X (H) | |
| Korea(Car Tuner) | | SIF | 0 Ω (L) | X (H) | 0 Ω (L) | |
| Europe(TV Tuner) | | SIF/ Audio | 0 Ω (L) | X (H) | X (H) | |
| Europe(Car Tuner) | | SIF | X (H) | 0 Ω (L) | 0 Ω (L) | |
| Reserve | - | | X (H) | X (H) | X (H) | |
| Reserve | - | | X (H) | X (H) | 0 Ω (L) | |
| AV Only | | | X (H) | X (H) | X (H) | |

| SW1 | FM | AM |
|---|---|---|
| SW2 | Others | L' |

The Gray part is applicable for the PAL tuner only, not applicable for the NTSC tuner.

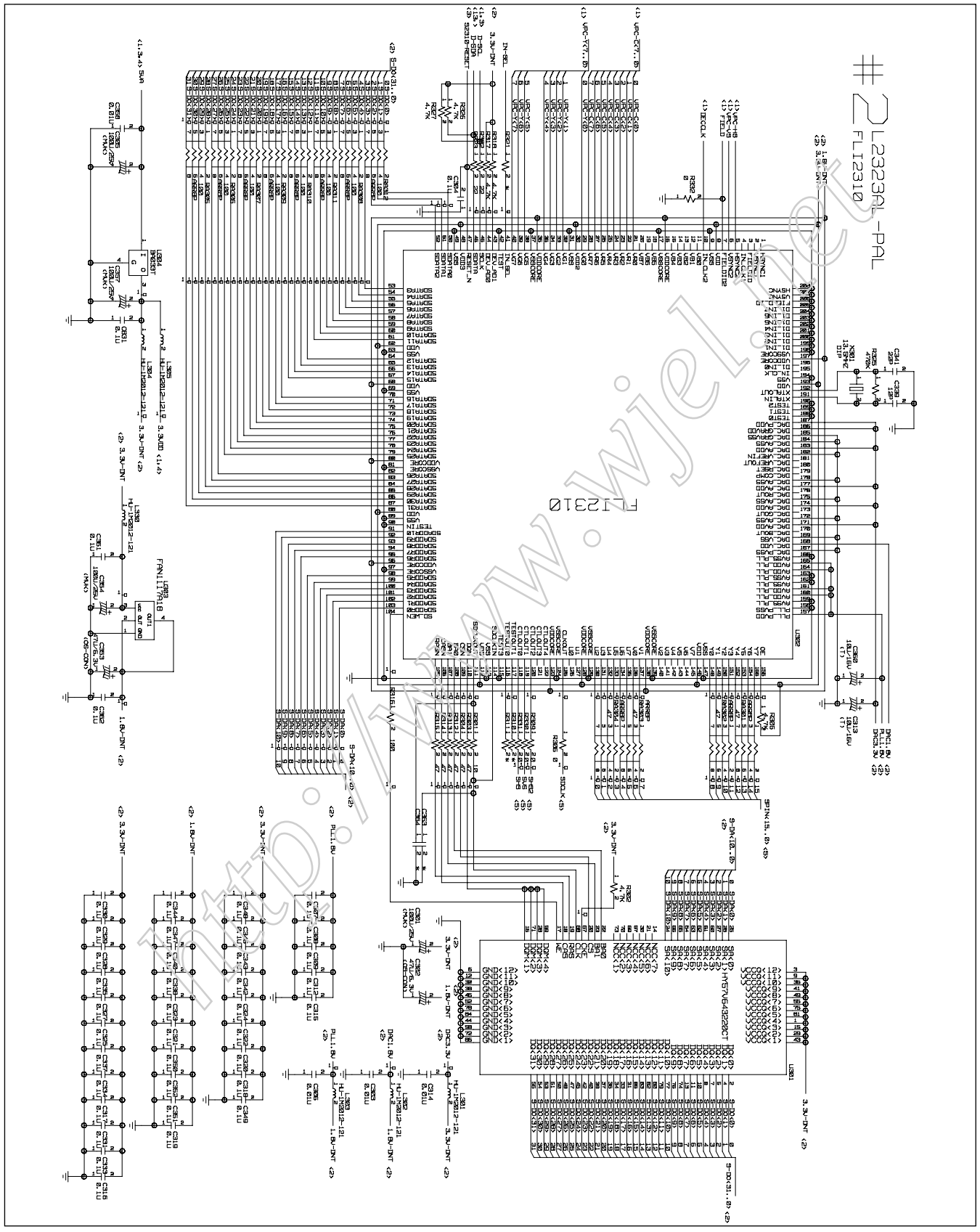
http://www.wiring.ru

## 16. VIDEO(VPC3230D)



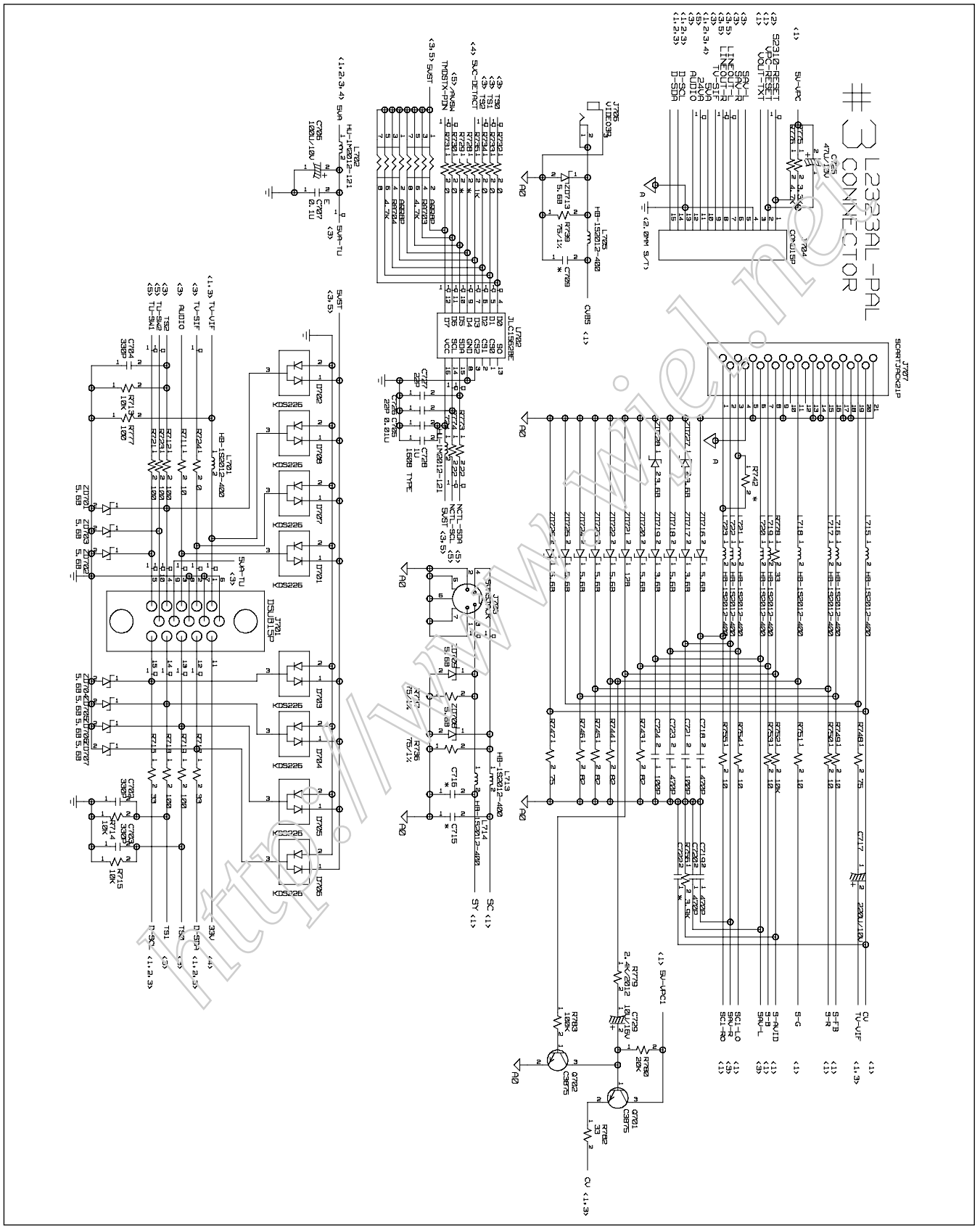

http://www.xiaomi.net

## 17. VIDEO(FLI2310)



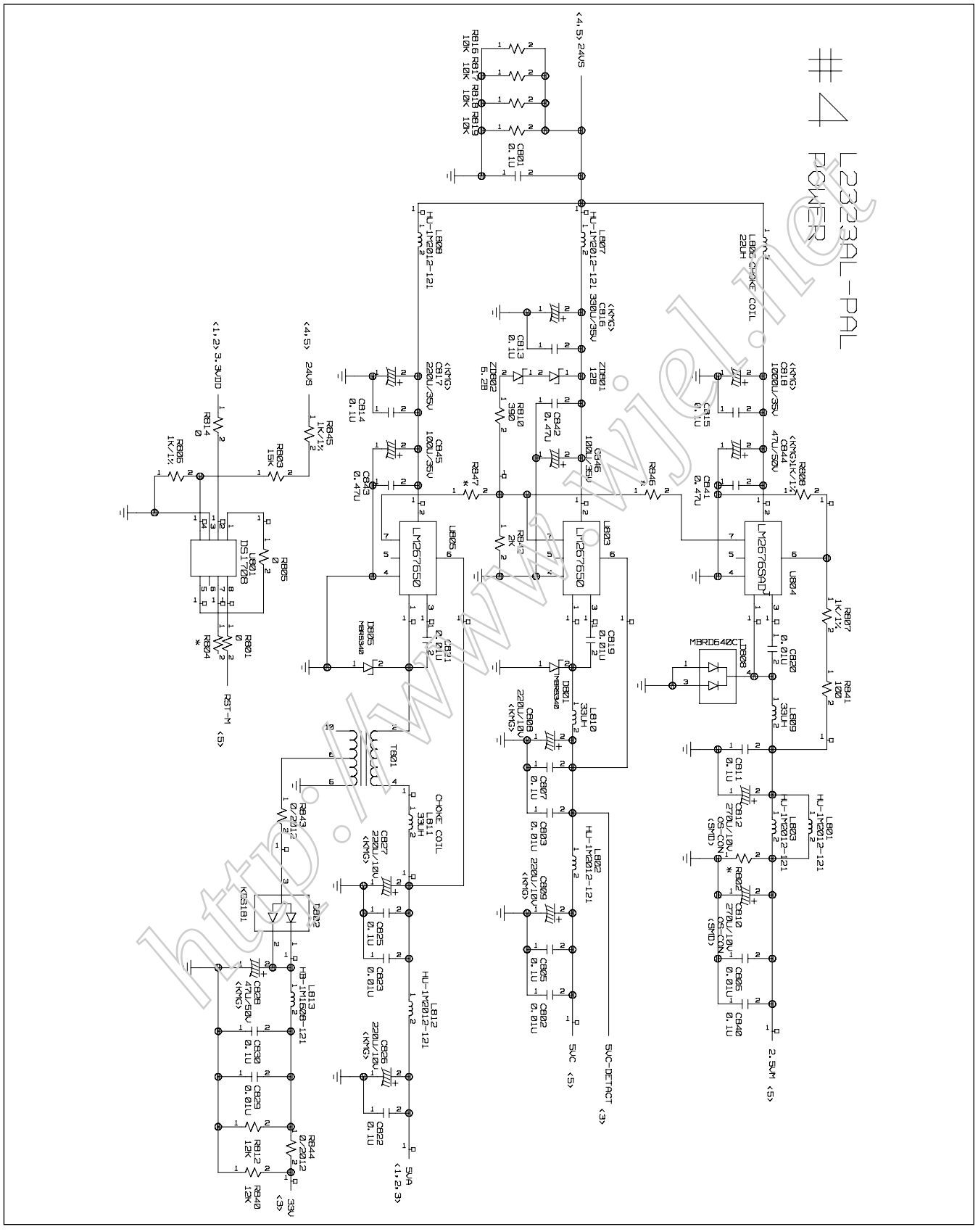
http://www.wiel.at

## 18. VIDEO(CONNECTOR)

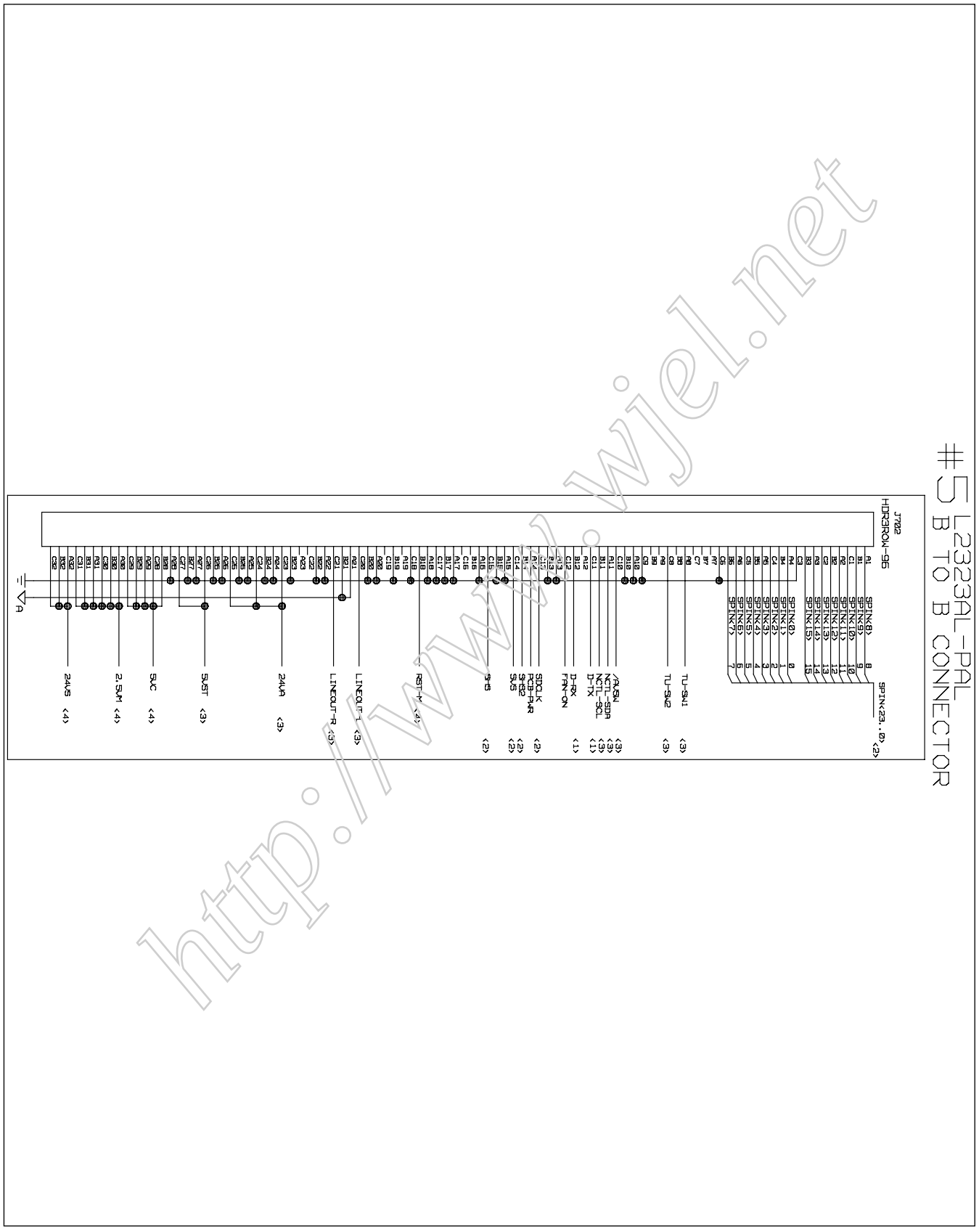


http://www.tiel.net

## 19. VIDEO(POWER)

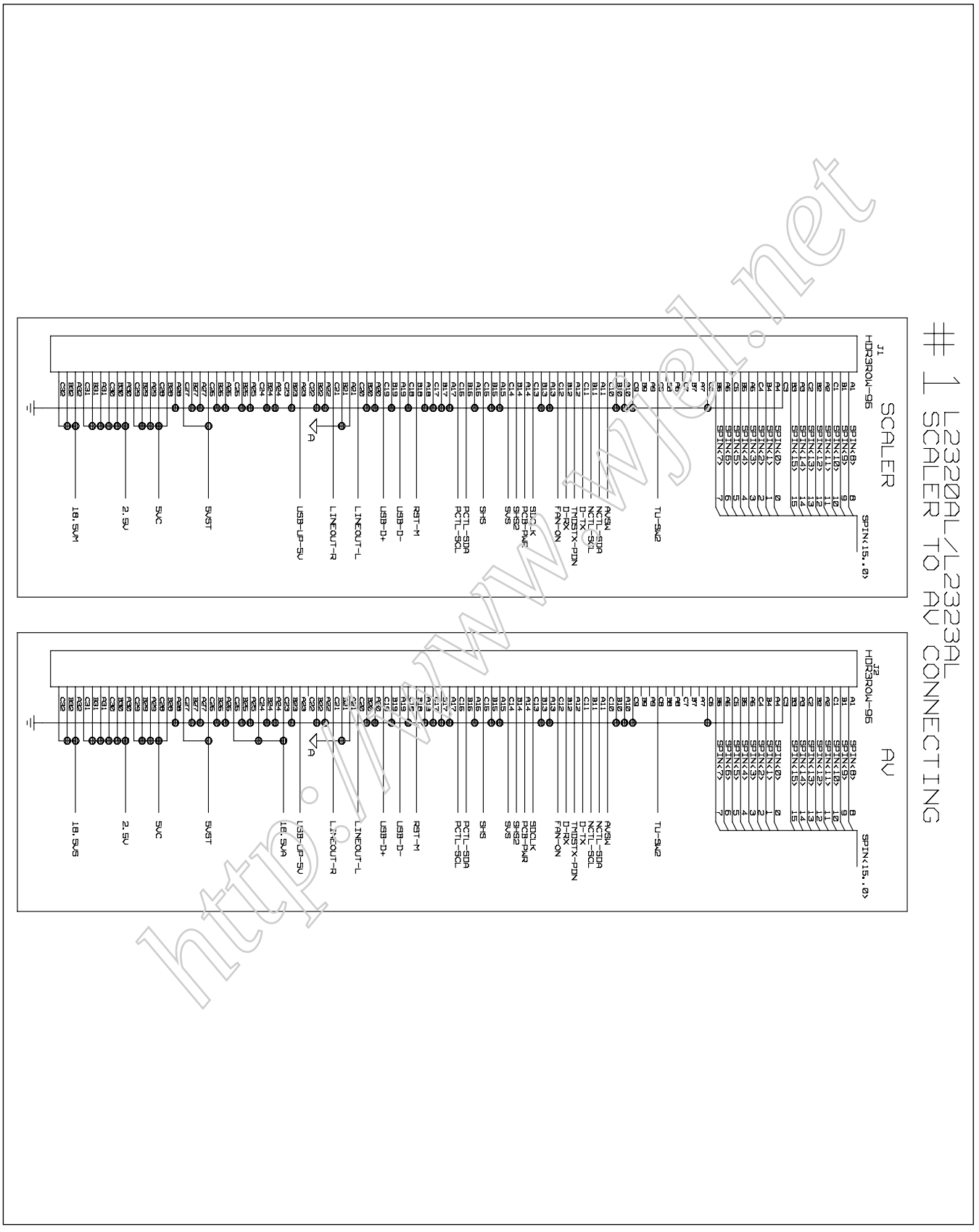


## 20. VIDEO(B TO B CONNECTOR)

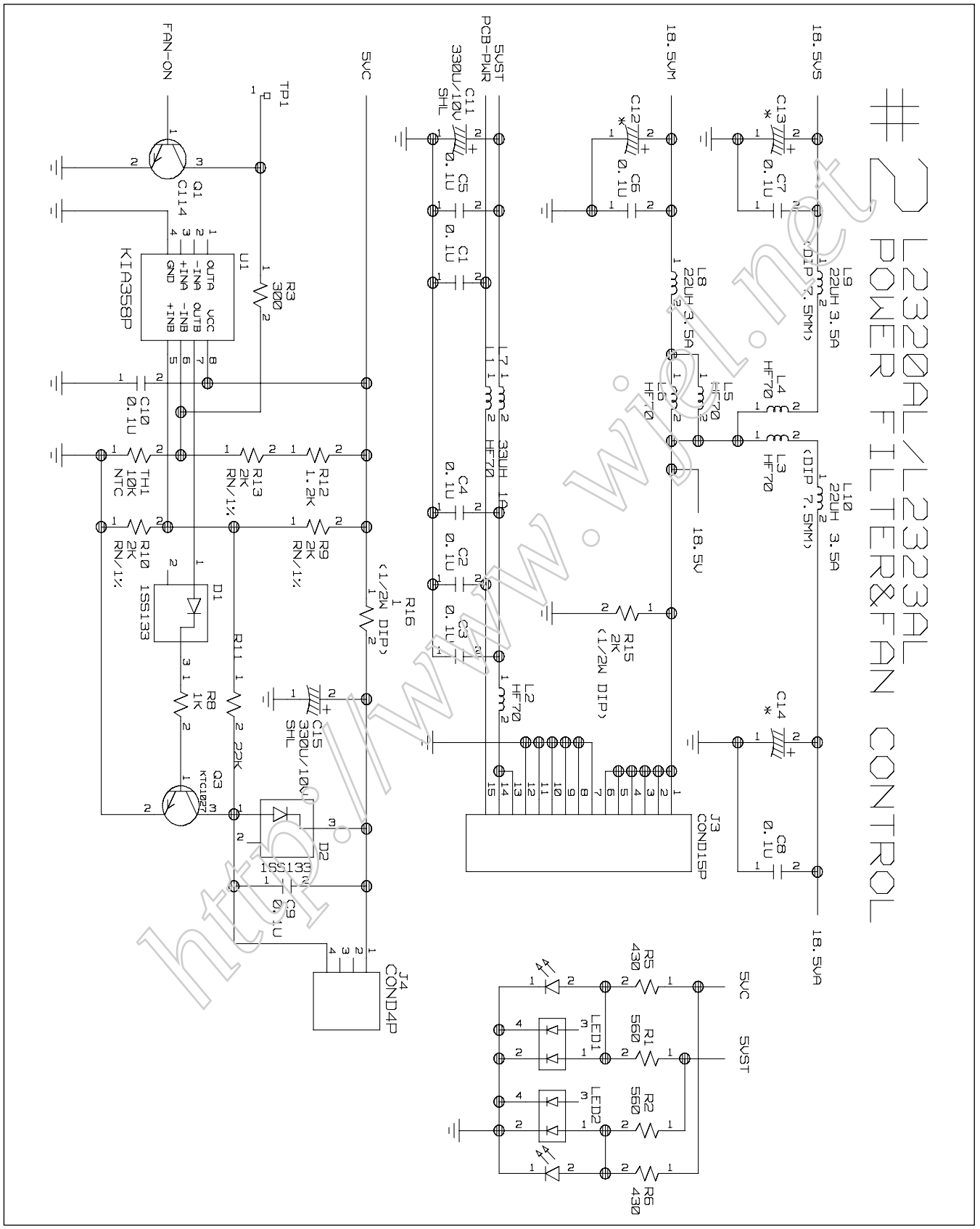



http://www.wjel.net

## 21. INTERFACE#1


#1 L2320AL/L2323AL
SCALER TO AV CONNECTING
SCALER
AV
J1
J2
HDR3ROW-96
SPIN<15:0>
TU-SW2
ANSW
NCTL-SDA
NCTL-SCL
D-TX
TMDSTX-PDN
D-RX
FAN-ON
SDCLK
SDCLK
SCL_K
SCL_K
SDA_K
SDA_K
SCL_K
SDA_K
SCL_K
SDA_K
SCL

## 22. INTERFACE#2




http://www.wiel.net

http://www.wjel.net

P/NO : 3828TSL096C

Nov. 2003
Printed in Korea